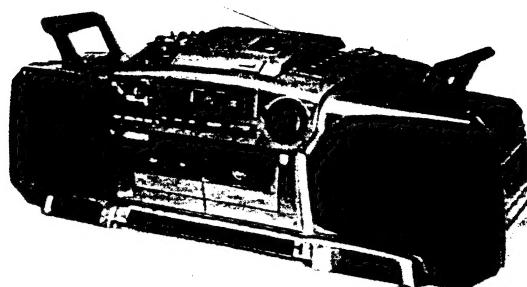


Service
Service
Service



Service Manual

For repair information of the cassette mechanism
see Service Manual of Recorders tape deck RDR-6

COMPACT
DISC
DIGITAL AUDIO

CONTENTS:	page
Picture	2
Component Symbol, Controls and Connections	2a
Self Test Procedure	3
Specification	3a
ESD Warning and Safety Text	4
Set Wiring	5-6
Power	7-8
Tuner	9-11
	12-13
	14
	15-17
Feature	18-20
	21-22
Tape Core	23
	24
	25-26
Control	27-28
	29-31
RCD	32-33
	34
	35-37
	38-40
Exploded View	41-42
Mechanical Partslist	43
Electrical Partslist	44-45

(SF) Varo!

Avattessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle
lasersäteilylle. Älä katso sääteeseen.

(S) Varning!

Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad.
Betrakta ej strålen.

CLASS 1
LASER PRODUCT

3127 110 003420



"Pour votre sécurité, ces documents
doivent être utilisés par des spécial-
istes agréés, seuls habilités à réparer
votre appareil en panne".

Subject to modification

4822 725 22988

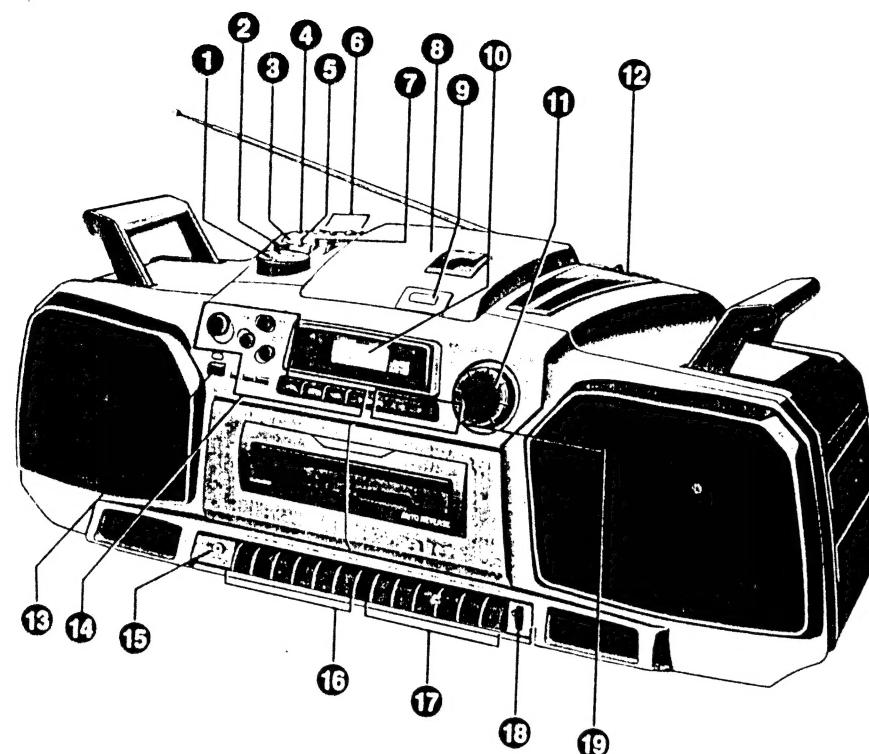
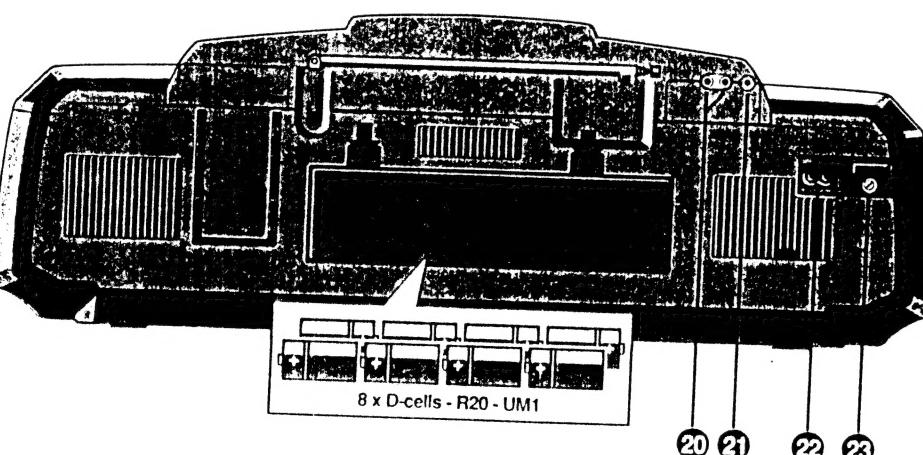
Printed in The Netherlands

PHILIPS



iai

COMPACT
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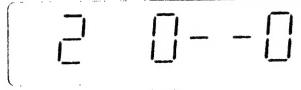
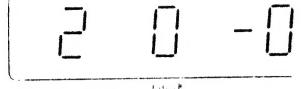
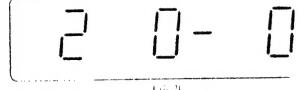
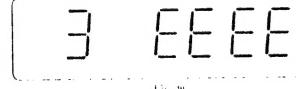
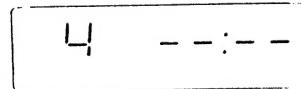
1	Volume control	3540	11	Tuning Control	2100
2	TBG Control	3596	12	Band Selector	1100
3	FM Stereo Indicator	6640	13	Power Switch	1302
4	Mono/Stereo Selector	1532	14	CD Control	
5	HS Dubbing Selector	1533	15	Headphone Socket	1303
6	Mode		16	Tape Control 1	
	tuner selector	1531A	17	Tape Control 2	
	tape selector	1531B	18	Auto Reverse Mode	
	CD selector	1531C	19	Auto Reverse Indicator	6464, 6465
7	Graphic Equalizer	3508, 3509	21	CD Output	1542, 1592
8	CD Player		22	Mic Socket	1541
9	CD Eject		23	AC Mains Socket	1301
10	Display	7401	24	Not Applicable	

	Carbon film 0.2 W CR16	70°C	5%		Plate ceramic Tuning < 120 pF Others	2% -20/+80%		a = 2.5 V b = 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
	Carbon film 0.33 W CR25	70°C	5%		Tubular ceramic			b = 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
	Carbon film 0.5 W CR37	70°C	5%		Polystyrene film / foil	1%		c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
	Standard film 0.5 W SFR16T	70°C	5%		Polyester Film / foil	10%		d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
	Standard film 0.4 W SFR25	70°C	5%		Mylar	10%		e = 16 V f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
	Metal film 0.6 W MRS25	70°C	5%		Safety resistor			f = 25 V g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
								g = 40 V h = 63 V i = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V
								a = 1.6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V
								26338

SERVICE TEST PROGRAMME

Following can be tested with **testprogramme 1**:

- Display CD
- Sledge motor
- Focus servo
- Track servo

Operating sequence	Display shows	Remarks	In case of problems check
Insert any disc in CD-compartment and shut CD-door. To start testprogramme 1 set mode switch to "radio" or "tape" first. Hold switches "display" and "clear" depressed while setting mode switch to "CD" → now step 1 of the test programme is reached.		During step 1 – 3 "mute" is active.	connection Display
Press "play" to get to step 2			
Press "next"		Sledge will be moved outside as long as "next" will be hold depressed (display shows fig.2b) and moved inside as long as "previous" will be hold depressed (display shows fig.2c).	Sledge motor and driver circuit for sledge motor
Press "previous"			
Press "play" to get to step 3		Laser is now switched on and objective will be focussed (while focussing display shows fig.3a). As soon as focus is o.k. display shows fig.3b and disc motor is switched on. Sledge servo and tracking servo are switched off → "tracking offset" can be adjusted.	Focus servo circuit
Press "play" to get to step 4		Track servo loop is active → normal "play" mode. "Mute" will be switched off after pressing "next" or "previous". By pressing "next" or "previous" track servo will jump in steps of either 16 tracks forward or backward.	
Press "stop" to get back in normal CD-mode		By pressing "stop" Service Testprogramme can be interrupted during each step.	

SPECIFICATION

GENERAL	: 120V – 220V – 240V
Mains voltage	: Serviceable: set at 220V for -/00 set at 240V for -/05
Mains selection/setting	: 50Hz – 60Hz
	: 12V (R20 x 8)
	: 60W max.
	: 680 x 231 x 220mm
Weight	: 6.8kg
TUNER : FM SECTION	: 87.5MHz – 108MHz
Tuning range	: 10.7MHz
IF frequency	: <6µV
Sensitivity at 26dB S/N	: >20dB
Selectivity at 600kHz bandwidth	: >50dB
IF rejection	: >20dB
Image rejection	
TUNER : AM SECTION	: SW : 5.95MHz – 17.9MHz
Tuning range	: MW : 526.5kHz – 1606.5kHz
IF frequency	: LW : 148.5kHz – 283.5kHz
Sensitivity at 26dB S/N	: 468kHz
Selectivity at 18kHz bandwidth	: SW : <250µV
IF rejection	: MW : <2.5mV/M
Image rejection	: LW : <4.0mV/M
	: SW : >16dB
	: MW : >16dB
	: LW : >18dB
	: >50dB
	: SW : >6dB
	: MW : >28dB
	: LW : >30dB
AMPLIFIER	
Output power at 10% distortion	Mains : 2 x 4.5W –1dB (L/R) 1 x 8W –1dB (Bass)
	Battery : 2 x 3.5W –1dB (L/R) 1 x 8W –1dB (Bass)
	Speaker impedance : 2 x 4Ω with piezo 1 x 8Ω bass boost
	Frequency response within -3dB : 100Hz – 8kHz Mid-range : 30Hz – 100Hz Bass
Equalizer control	: -6dB to +6dB
Input sensitivity	Mic : 800mV at 10kΩ
CD-out sensitivity	: 800mV at 4.7kΩ
Headphone output at 32Ω	: 13mW
CASSETTE RECORDER	
Number of tracks	: 2 x 2 stereo
Tape speed	: 4.76 cm/sec ± 2%
	: 2 x 4.76 cm/sec
Wow and flutter	: <0.35%
Fast-wind time C60	: 130 sec
Bias system	AM : DC bias Others : 57kHz ± 10kHz
Rec playback frequency	response within -8dB : 250Hz – 2kHz (AM) 250Hz – 5kHz (HS Dubbing) 250Hz – 6.3kHz (others)
	Signal to Noise ratio
	FM rec : >40dB AM rec : >22dB Dubbing : >37dB
COMPACT DISC	
Frequency response within +2dB/-4dB	: 20Hz – 20kHz
Signal/Hiss ratio	: >80dB
Distortion at 1kHz	: 0.5%
Channel difference at 1kHz	: <2dB
Channel crosstalk at 1kHz	: 50dB
De-emphasis	: 0 or 15/50 µs (Switched by subcode on the disc)

GB WARNING

All ICs and many other components are susceptible to electrostatic discharge. Careless handling can damage them. When repairing, make sure that the hands and tools are connected with the ground of the set via a wrist strap. Keep components at the same potential.

F ATTENTION

Tous les IC et beaucoup de composants semi-conducteurs sont sensibles aux décharges statiques. Leur longévité peut être réduite par le fait de les manipuler sans précaution. Lors de réparations au même potentiel que le circuit, enfilez le bracelet de sécurité. Veillez à ce que les outils que l'on utilise soient également à ce potentiel.

GB

Safety regulations condition and that be used.

NL

Veiligheidsbepalingen zijn oorspronkelijk identiek aan de ge

GB **WARNING**

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

**F** **ATTENTION**

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation. Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet servi d'une résistance de sécurité. Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

D **WARNUNG**

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD). Unsorgfältige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren. Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes. Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

NL **WAARSCHUWING**

Alle IC's en vele andere halbleiders zijn gevoelig voor electrostatische ontladingen (ESD). Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat. Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

I **AVVERTIMENTO**

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD). La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cautela alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza. Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

F

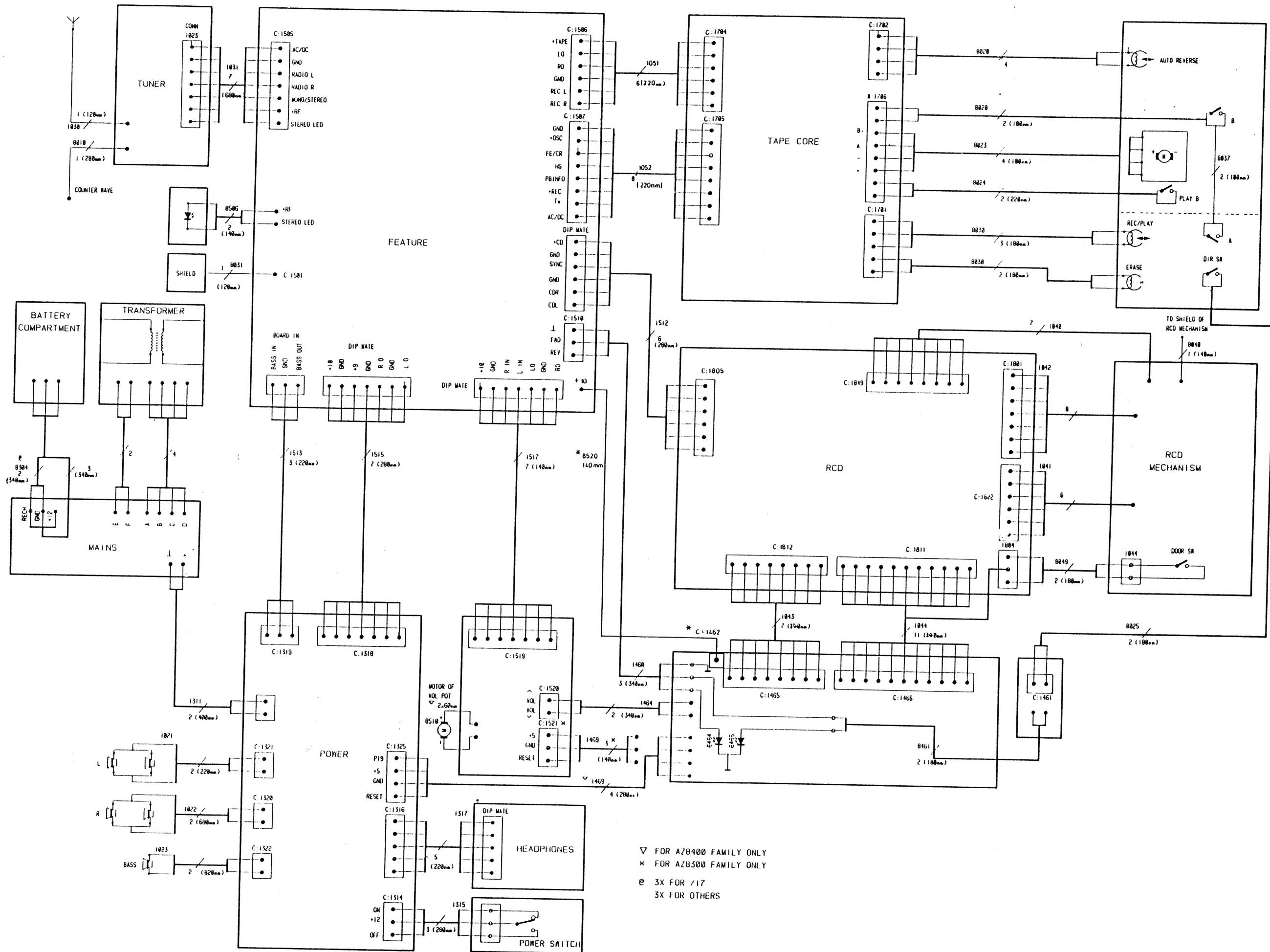
Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

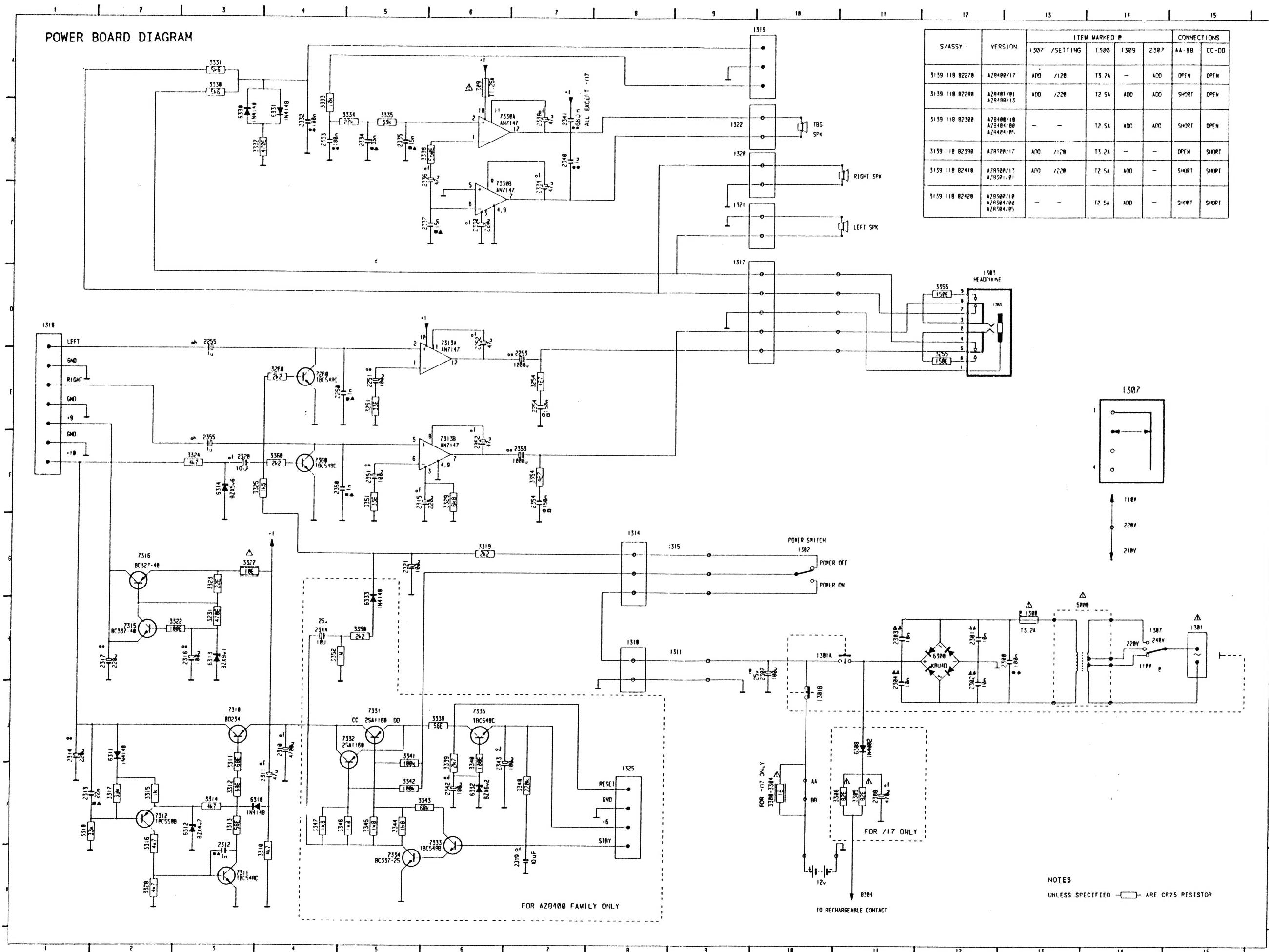
D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

I

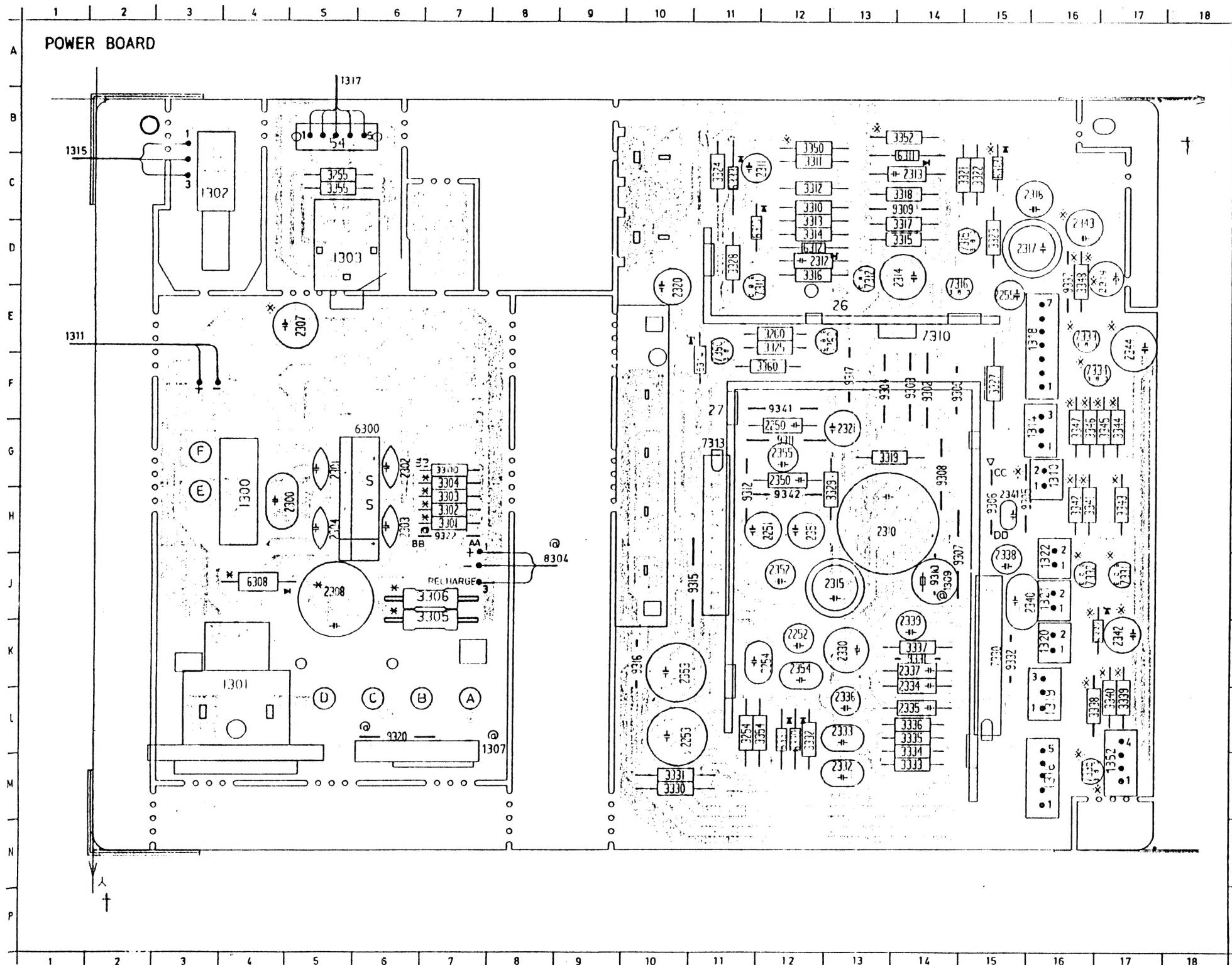
Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.





1300 H13
 1301 H15
 1302 G12
 1303 E14
 1304 A6
 1310 H8
 1314 G8
 1315 G9
 1317 C9
 1319 A10
 1320 B9
 1321 C9
 1322 B9
 1325 K8
 2251 E5
 2252 E7
 2253 E3
 2300 H13
 2302 J12
 2303 J12
 2304 J12
 2307 J11
 2310 K4
 2312 L3
 2313 K1
 2314 K1
 2315 F5
 2317 H2
 2320 F3
 2321 G5
 2322 B4
 2323 B4
 2324 B5
 2325 B5
 2326 C6
 2327 C7
 2340 B7
 2341 B7
 2344 H4
 2350 F4
 2351 F5
 2352 E6
 2353 E7
 2354 E7
 2355 F3
 2356 F4
 3251 H3
 3251 E5
 3254 E7
 3255 E12
 3300 K10
 3301 K10
 3302 K10
 3303 K10
 3304 K10
 3305 K11
 3306 K11
 3310 K4
 3311 K3
 3312 K3
 3313 K3
 3314 K3
 3315 K2
 3316 L2
 3317 K2
 3319 G6
 3322 H2
 3323 G3
 3324 F3
 3325 F3
 3326 F3
 3327 F3
 3328 L2
 3329 F6
 3330 H3
 3331 A3
 3332 B3
 3333 B4
 3334 B5
 3335 B5
 3336 B5
 3337 J6
 3338 J6
 3341 K5
 3342 K5
 3343 K6
 3344 K5
 3345 K5
 3346 K5
 3347 K7
 3348 K7
 3349 K6
 3350 H6
 3351 F5
 3352 H4
 3353 F7
 3356 F7
 6300 H12
 6309 H12
 6310 K3
 6311 K2
 6312 K3
 6313 H3
 6314 F3
 6315 G6
 6316 G6
 6317 G6
 6318 G6
 6319 G6
 6320 G6
 6321 G6
 6322 G6
 6323 G6
 6324 G6
 6325 G6
 6326 G6
 6327 G6
 6328 G6
 6329 G6
 6330 G6
 6331 G6
 6332 G6
 6333 H5
 7260 E4
 7310 J5
 7312 L3
 7313 A6
 7315 B6
 7316 G2
 7330 A6
 7330 B6
 7330 C6
 7332 G5
 7333 L6
 7334 L5
 7335 J6
 7336 F4
 2319 M7

26	E13	1311	E1	1352	M17	2303	H6	2316	C16	2337	K14	2352	J12	3303	H7	3316	D12	3320	D11	3330	I16	3340	G16	6312	D12	7312	D13	7360	F11	9309	C14	9332	K15
27	F11	1314	G16	2250	G12	2304	H5	2317	D15	2338	J15	2353	K10	3304	G7	3317	D14	3329	H13	3339	I17	3350	H12	6313	C15	7313	G11	8304	J8	9310	J14	9337	E16
54	B5	1315	B1	2251	H12	2307	F5	2320	F10	2339	J14	2354	K12	3305	J7	3318	C14	3330	H10	3340	I17	3352	H14	6314	F11	7315	D15	9300	I14	9311	G12	9341	F12
1300	H4	1316	M16	2252	K12	2308	J5	2321	G13	2340	J16	2355	G12	3306	J7	3319	G13	3331	H10	3341	I16	3354	I12	6330	I12	7316	D14	9302	I14	9312	H11	9342	H12
1301	K4	1317	A5	2253	I10	2310	H13	2330	K13	2341	H15	3254	I11	3310	C12	3321	C15	3332	I12	3342	I16	3355	C5	6331	I12	7330	K15	9303	I14	9315	J11	2319	E17
1302	C3	1318	E16	2254	K12	2311	C11	2332	M13	2342	K17	3255	C5	3311	C12	3322	C15	3333	H14	3343	I17	3360	I12	6332	K17	7331	J11	9304	I13	9316	K10		
1303	D5	1319	L16	2255	F15	2312	D12	2333	L13	2343	D16	3260	F12	3312	C12	3323	D15	3334	G17	6300	06	6333	C11	7332	J16	9305	H15	9317	F13				
1303	J14	1320	K16	2300	H5	2313	C14	2334	F17	3300	G7	3313	C12	3324	C11	3335	I14	3345	G17	6308	J4	7260	F13	7333	F16	9306	H15	9320	I6				
1307	L8	1321	J16	2301	G5	2314	D14	2335	L14	2350	G12	3301	H7	3314	D12	3325	E12	3336	I14	3347	G16	6310	D11	7310	F14	7334	F16	9307	I14	9322	H7		
1310	G16	1322	J16	2302	G6	2315	J13	2336	L13	2351	H12	3302	H7	3315	D14	3327	E15	3337	K14	3340	E16	6311	B14	7311	F11	7335	H16	9308	G14	9331	K14		



+1 : 12V

+6 : 5.4V

+9 : 8.4V

+10 : 9.6V

7310

7311

7312

7313

7330

e : 11.9V

b : 11.2V

c : 9.6V

e : 0V

b : 0.6V

c : 10.9V

e : 4.7V

b : 4.1V

c : 1.3V

1 : 1.3V

2 : 0V

3 : 11.2V

4 : 0V

5 : 0V

1 : 1.3V

2 : 0V

3 : 11.8V

4 : 0V

5 : 0V

7315

7316

7331

6 : 1.3V

7 : 5.8V

8 : 10.3V

9 : 0V

10 : 12V

11 : 10.3V

12 : 5.8V

6 : 1.3V

7 : 6.1V

8 : 11.0V

9 : 0V

10 : 12V

11 : 11.0V

12 : 6.1V

7332

7333

7334

e : 12.0V

b : 11.2V

c : 11.9V

e : 0.7V

b : 1.3V

c : 0.7V

e : 0V

b : 0.7V

c : 0V

7335

....V measured in tape on position

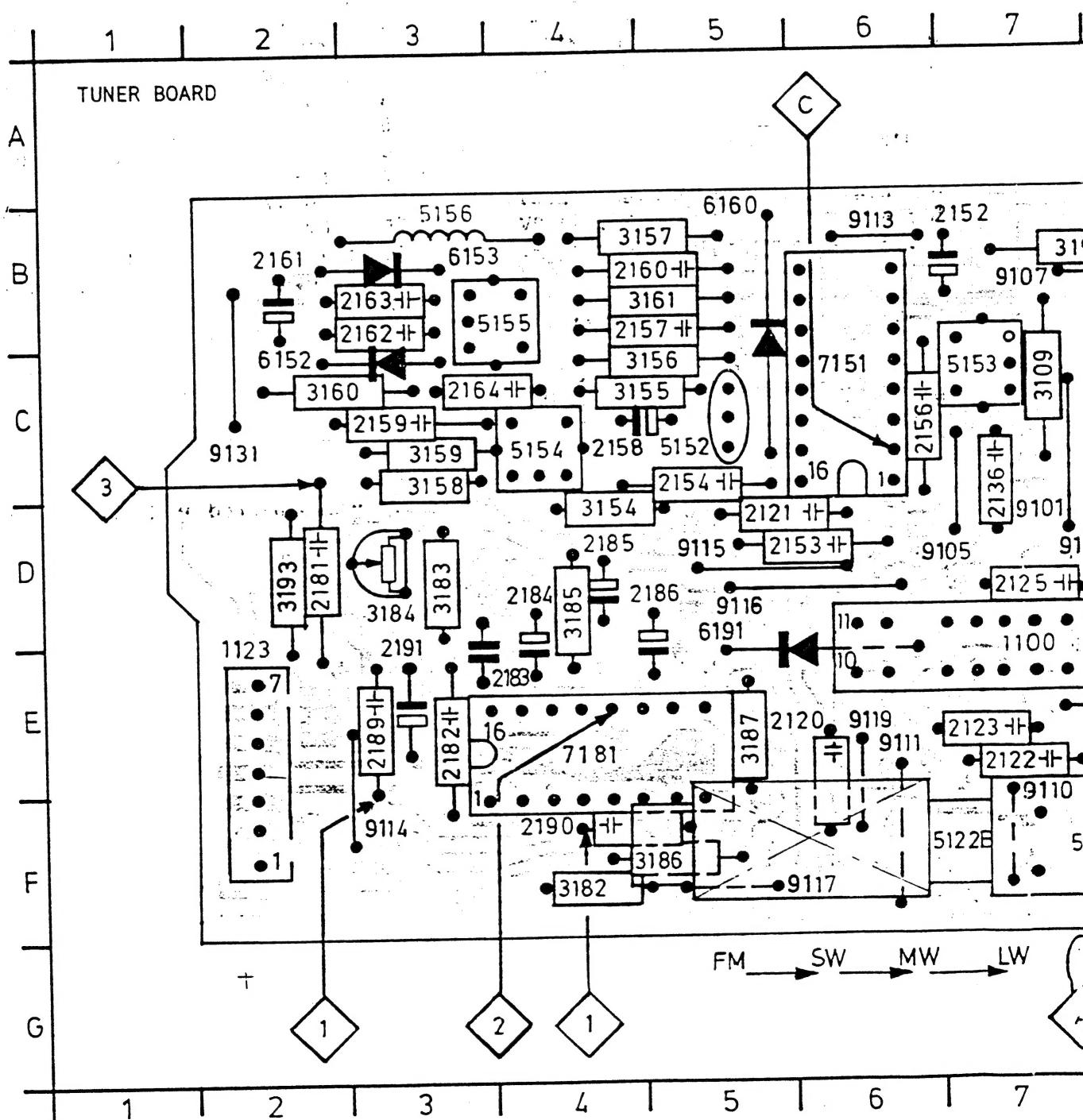
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DD

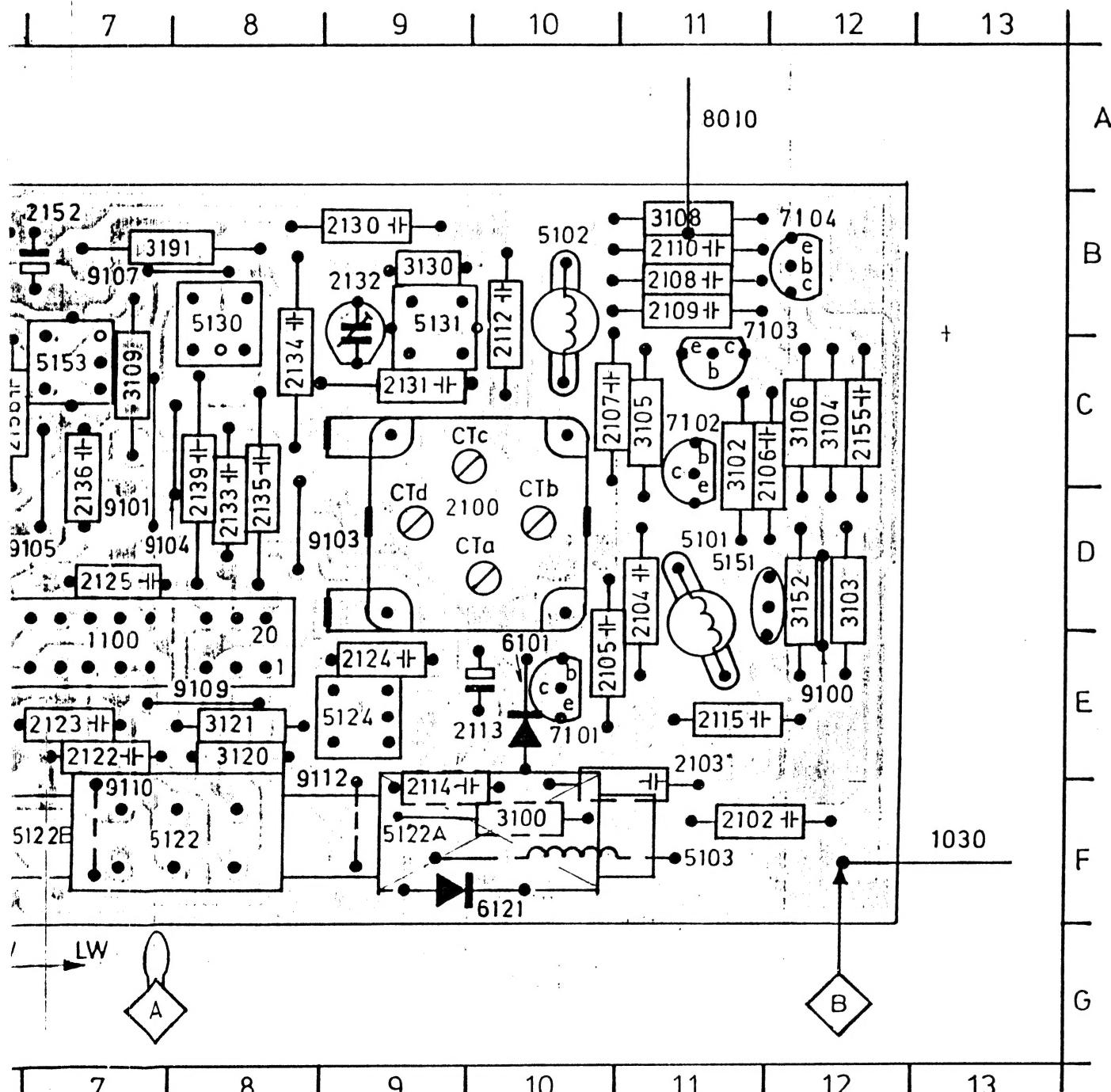
EL

EL

1030	F13	2108	B11	2123	E7	2152	B7	2162	B3	2190	F4	3120	E8
1100	E7	2109	B11	2124	E9	2153	D5	2163	B3	2191	E3	3121	E8
1123	E2	2110	B11	2125	D7	2154	C5	2164	C3	3100	F10	3125	D12
2100	D9	2112	B10	2130	B9	2155	C12	2181	D2	3102	C11	3130	B9
2102	F11	2113	E10	2131	C9	2156	C62	2182	E3	3103	D12	3154	D4
2103	E11	2114	F9	2132	B9	2157	B5	2183	D3	3104	C12	3155	C4
2104	D11	2115	E11	2134	C8	2158	C4	2184	D4	3105	C11	3156	C5
2105	E10	2120	E5	2135	D8	2159	C3	2185	D4	3106	C12	3157	B5
2106	C11	2121	D5	2136	C7	2160	B5	2186	D5	3108	B11	3158	C3
2107	C10	2122	E7	2139	D8	2161	B2	2189	E3	3109	C7	3159	C3



3120	E8	3160	C2	5101	D11	5154	C4	7102	C11	9105	D7	9117	F6
3121	E8	3161	B5	5102	B10	5155	B4	7103	B11	9107	B7	9119	E6
3125	D12	3182	F4	5103	F11	5156	B3	7104	B12	9109	E8	9131	C2
3130	B9	3183	D3	5122	F7	6101	E10	7151	C6	9110	F7		
3154	D4	3184	D3	5124	E9	6121	F10	7181	E4	9111	E6		
3155	C4	3185	D4	5130	B8	6152	C2	8010	A11	9112	E8		
3156	C5	3186	F5	5131	B9	6153	B3	9100	E12	9113	B6		
3157	B5	3187	E5	5151	D11	6160	B5	9101	D7	9114	F3		
3158	C3	3191	B7	5152	C5	6191	D5	9103	D9	9115	D5		
3159	C3	3193	D2	5153	C7	7101	E10	9104	D7	9116	D5		



SK...	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
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AM - IF

MW	468kHz $\Delta f=10\text{kHz}$ via 10nF	C	max.	5153 5154	3	
----	---	---	------	--------------	---	---

AM - RF

LW * 148.5-283.5kHz	147kHz 160kHz	A	max. Tune	5130 5122B	1	max.
MW * 526.5-1606.5kHz	1635kHz 560kHz 1500kHz		min. Tune Tune	CTc 5122A CTd		
SW * \$ 5.95-17.9MHz	5.8MHz 18.1MHz 6.2MHz	B	max. min. Tune	5131 2132 5124		

FM - IF

FM	10.7MHz Δf=300kHz (50Hz) via 10nF	B	max.	5155	3	 Symm + Linear
----	--	---	------	------	---	---

FM - RF

FM # 87.5-108MHz	87.35MHz @ Mod 1kHz $\Delta f=22.5\text{kHz}$	B	max.	5102 5101	1	max.	↑ ↓
	108.2MHz @ Mod 1kHz $\Delta f=22.5\text{kHz}$		min.	CTb CTa			

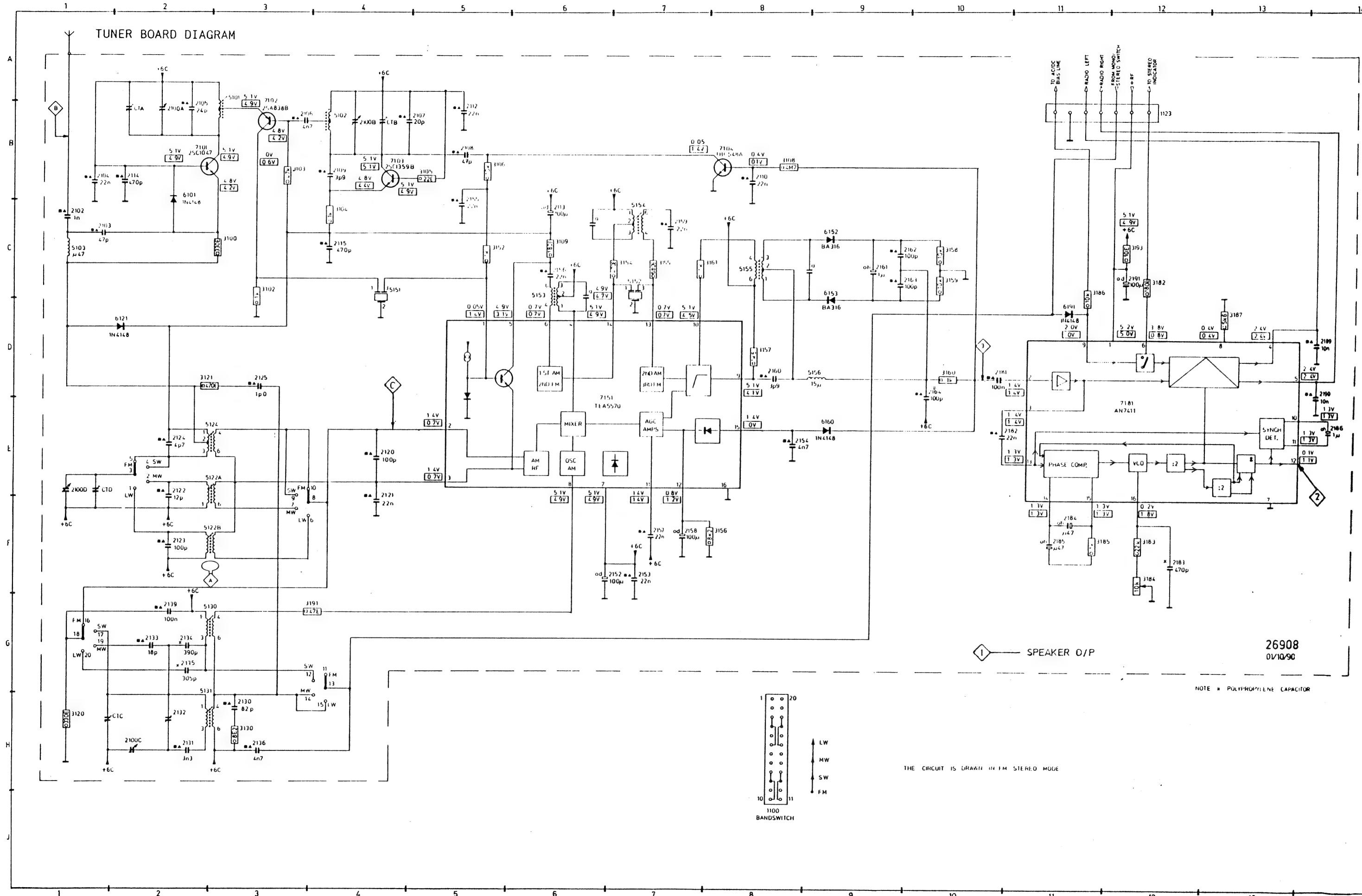
* Mod 1kHz 30% # via 10nF + 15Ω @ ± 0.15MHz \$ via 10pF

STEREO DECODER

SK...	ADJUST	O/P	COUNTER
FM STEREO	3184	2	19kHz

Repeat

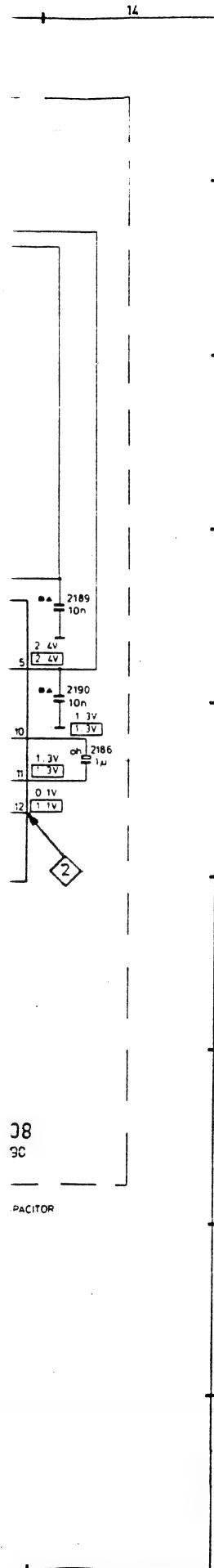
TUNER BOARD DIAGRAM



THE CIRCUIT IS DRAWN IN FM STEREO MODE

26908
01/10/90

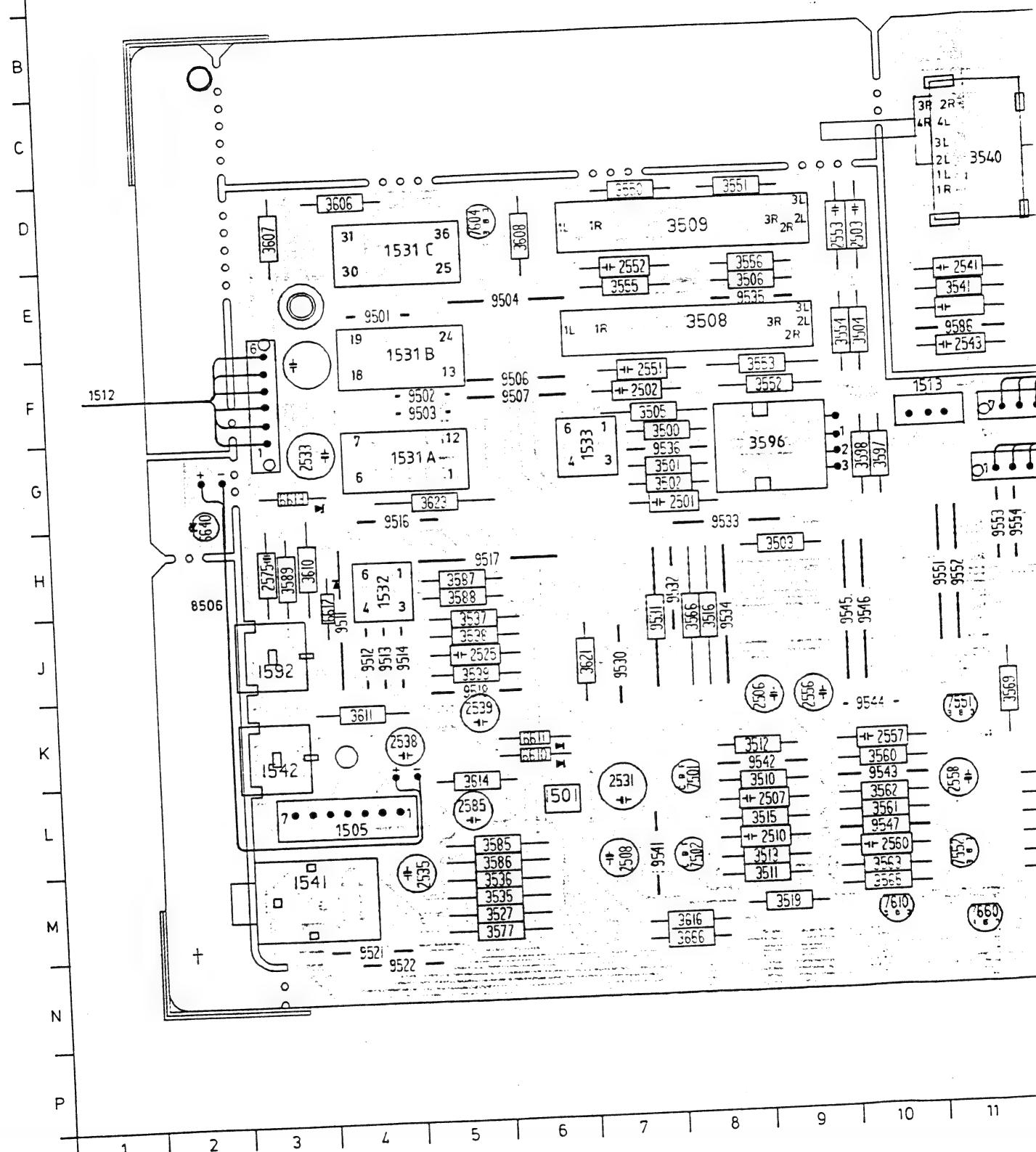
NOTE II: POLYBENZYLENE CAPACITOR



1100	J8	3182	C12			
1123	A12	3183	F12			
2100A	B2	3184	F12	AM	FM	
2100B	B4	3185	F11			
2100C	H2	3186	C11			
2100D	E1	3191	G3	7101	e : 4.8V	4.2V
2102	C1	3193	C12		b : 5.1V	4.9V
2103	C1	5101	A3		c : 5.1V	4.9V
2104	B1	5102	B4			
2105	B2	5103	C1	7102	e : 5.1V	4.9V
2106	B3	5122A	E2		b : 4.8V	4.2V
2107	B5	5122B	F2		c : 0V	0.6V
2108	B5	5124	E2			
2109	B4	5131	G2			
2110	B8	5151	C4	7103	e : 4.8V	4.4V
2112	C5	5152	C7		b : 5.1V	4.9V
2113	C6	5153	C6		c : 5.1V	5.1V
2114	B2	5154	C7			
2115	C2	5155	C8			
2120	E4	5156	D9	7104	e : 0V	0V
2121	E4	6101	B2		b : 0.4V	0.1V
2122	E2	6121	D2		c : 0.1V	1.4V
2123	F2	6152	C9			
2124	E2	6153	C9			
2125	D3	6160	E9			
2130	H3	6191	D11			
2131	H2	7101	B2			
2132	H2	7102	A3			
2133	G2	7103	B4			
2134	G2	7104	B8			
2135	G2	7151	D6			
2136	H3	7181	E12	7151		7181
2139	G2					
2152	F7			AM	FM	AM
2153	F7					FM
2154	E8					
2155	B5			1	: 0.1V	1.4V
2156	C6			2	: 1.4V	0.7V
2157	F7			3	: 1.4V	0.7V
2158	F7			4	: 5.1V	4.9V
2159	C7			5	: 4.9V	3.1V
2160	D8			6	: 0.7V	0.7V
2161	C9			7	: 5.1V	4.9V
2162	C9			8	: 5.1V	4.9V
2163	C9			9	: 5.1V	4.1V
2164	D10			10	: 5.1V	4.5V
2181	D10			11	: 1.4V	1.4V
2182	E10			12	: 0.8V	1.2V
2183	F12			13	: 0.7V	0.7V
2184	F11			14	: 4.9V	4.7V
2185	F11			15	: 1.4V	0V
2186	E14			16	: 0V	0V
2189	D14					
2190	D14					
2191	C12					
3100	C3					
3102	C3					
3103	B3					
3104	C4					
3105	B5					
3106	B5					
3108	B8					
3109	C6					
3120	H1					
3121	D2					
3130	H3					
3152	C5					
3154	C7					
3155	C7					
3156	F8					
3157	D8					
3158	C10					
3159	C10					
3160	D10					
3161	C7					
			V	measured in radio on position	

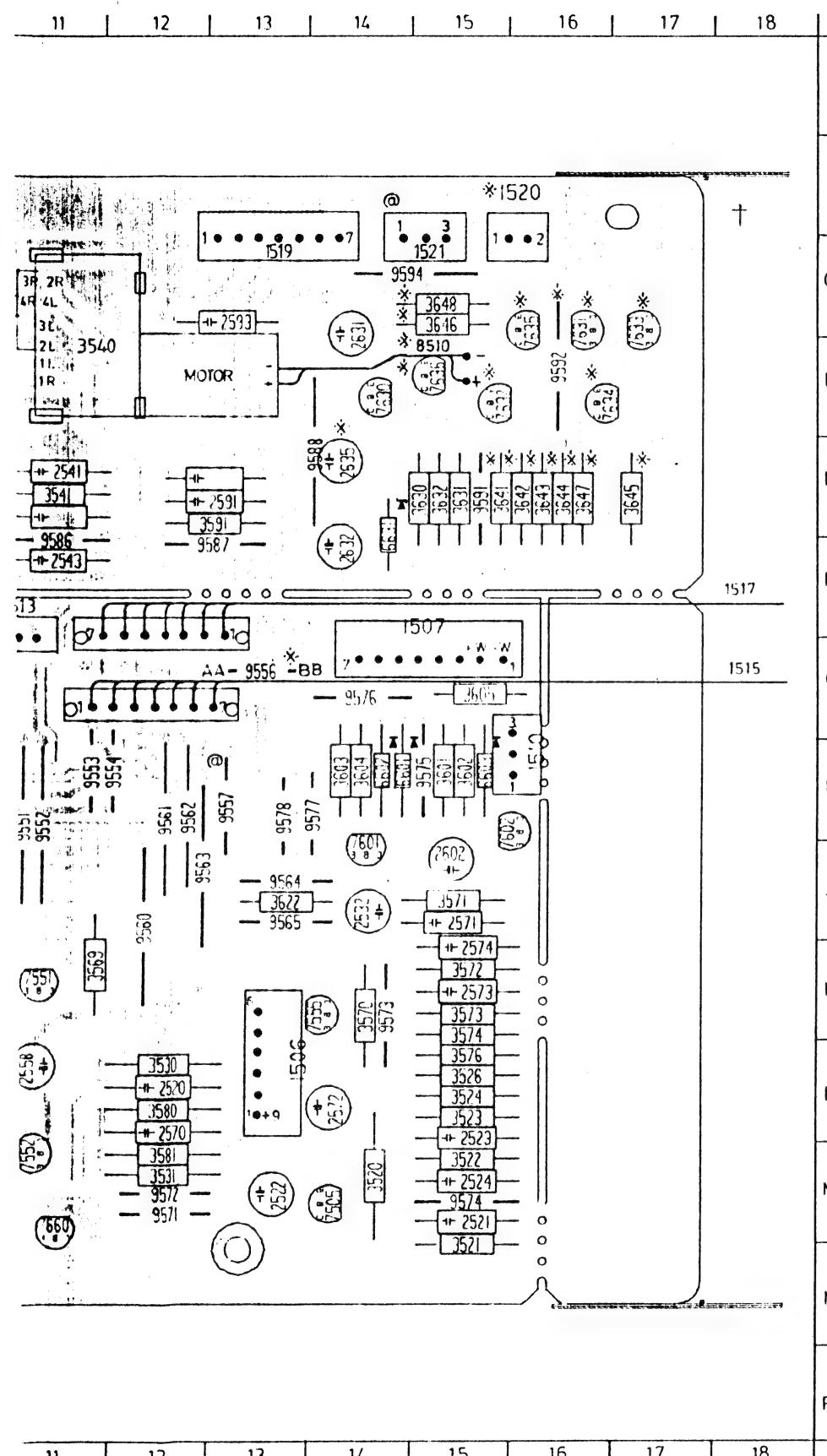
..... measured in radio on position

FRONT BOARD



NOTE.

NOTE: ITEMS MARKED X FOR AZ8400 FAMILY ONLY
ITEMS MARKED O FOR AZ8300 FAMILY ONLY



1505	I 4	3523	I 15	6613	G3
1506	I 13	3524	I 15	6631	F14
1507	F15	3526	I 15	7501	I 0
1510	H16	3527	M5	7502	M8
1510	I 6	3530	I 12	7505	M14
1512	F1	3531	M12	7551	K11
1513	F11	3535	M5	7552	M11
1531A	G5	3536	M5	7555	K14
1515	G18	3537	J5	7601	H14
1517	F18	3538	J5	7602	H15
1519	B13	3539	J5	7604	D5
1520	B16	3540	G11	7610	M10
1521	C15	3541	F11	7630	D14
1531B	D5	3550	D7	7631	C16
1531C	D5	3551	D8	7632	D15
1532	H4	3552	F9	7633	C17
1533	G7	3553	F9	7634	D16
1541	M3	3554	F10	7635	C16
1542	K3	3555	F7	7636	D15
1592	J3	3556	F9	7660	H11
2502	F7	3560	K10	8500	H2
2503	D10	3561	I 10	8510	D15
2506	K8	3562	I 10	9501	F4
2507	I 8	3563	M10	9502	D5
2508	I 7	3565	M10	9503	D5
2510	I 8	3566	J8	9504	F6
2520	I 12	3569	K11	9507	F6
2521	M15	3570	K14	9511	J4
2522	M13	3571	J15	9512	J4
2523	I 15	3572	K15	9513	J4
2524	M15	3573	K15	9514	J4
2525	J5	3574	K15	9516	G4
2531	I 7	3576	I 15	9517	H5
2532	J14	3577	M5	9518	J5
2533	G3	3580	I 12	9521	M4
2535	M5	3581	M12	9522	N4
2538	K4	3585	I 5	9530	J7
2539	K5	3586	I 5	9531	J7
2541	F11	3587	I 5	9532	H8
2543	F11	3588	I 5	9533	H8
2551	F7	3589	H3	9534	J8
2552	F7	3591	E13	9535	F9
2553	D10	3596	G9	9536	G8
2556	K9	3597	G10	9541	I 7
2557	K10	3598	G10	9542	K8
2558	I 11	3601	I 15	9543	L10
2560	I 10	3602	I 15	9545	G10
2570	L12	3603	H14	9546	G10
2571	J15	3604	H14	9547	H10
2572	L14	3605	G15	9551	H11
2573	K15	3606	D4	9552	H11
2574	K15	3607	D3	9553	H11
2575	H3	3608	D6	9554	H12
2585	I 5	3610	H3	9556	G13
2591	E13	3611	K4	9557	H13
2593	B13	3614	I 5	9560	J12
2602	J15	3616	M8	9561	H12
2631	C14	3621	J7	9562	H12
2632	F14	3622	J13	9563	J12
2635	F14	3623	G5	9564	J13
3500	G8	3630	F15	9565	J13
3501	G8	3631	F15	9571	H12
3501	G8	3632	F15	9572	H12
3502	G8	3641	F15	9573	K14
3503	H9	3642	F16	9574	M15
3504	F10	3643	F16	9575	H15
3505	F7	3644	F16	9576	G14
3506	F9	3645	F17	9578	H13
3508	F8	3646	C15	9586	F11
3509	D8	3647	F16	9587	F13
3510	I 8	3648	C15	9588	F14
3511	M8	3666	M8	9591	F15
3512	K8	6506	I 6	9592	D16
3513	M8	6544	K10	9594	C14
3515	I 8	6601	H14	9545	G10
3516	J8	6602	H14		
3519	M9	6603	H15		
3520	M14	6610	K6		
3521	M15	6611	K6		
3522	M15	6612	H14		

7602	e : 2.9Vrw	2.4fw	+RF	: 5.5V
	b : 2.2Vrw	1.7Vfw		
	c : 2.7Vrw	2.0Vfw	+6	: 6.2V

+RF : 5.5V

+6 : 6.2V

+9 : 8.4V

+10 : 9.6V

Normal speed High speed

7601 e : 9.6V 9.6V
 b : 8.9V 8.9V
 c : 0.2V 9.5V

Volume up Volume down

7631 e : 0.7V 5.3V
b : 0.1V 5.9V
c : 7.4V 7.4V

7632 e : 5.3V 0.7V
 b : 5.9V 0.1V
 c : 7.4V 7.4V

7633 e : 0.7V 5.3V
 b : 0.1V 5.9V
 c : 0V 0V

7634 e : 5.3V 0.7V
b : 5.9V 0.1V

7635 e : 0V 0V
b : 0.7V 0.6V
c : 0.1V 5.8V

7636 e : 0V 0V
b : 0.6V 0.7V

c : 5.9V 0.1V

....V measured in ta

7501 7502 7505

e : 0V	e : 1.1V	e : 0.1V
b : 0.6V	b : 1.8V	b : 0.7V
-0.2V	-0.2V	-0.7V

7551 7552 7555

e : 0V	e : 1.1V	e : 0.1V
b : 0.6V	b : 1.8V	b : 0.7V
c : 1.8V	c : 6.9V	c : 5.5V

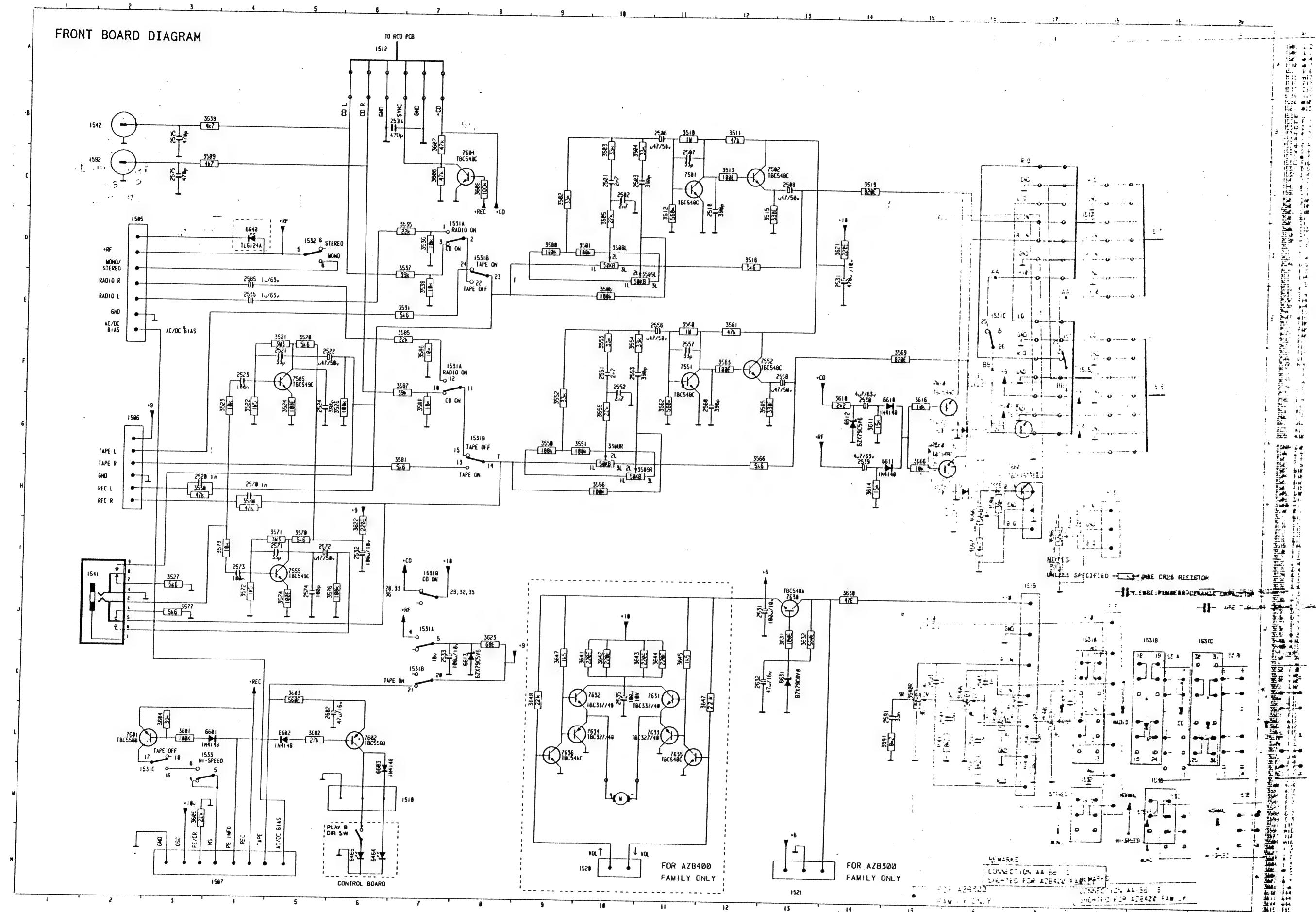
7630

b : 6

....V measured in tape on position

....Vrw measured in tape rewind direction

....Vfw measured in tape forward direction



1702	D 4	2721	E 4	2772	F 2	3705	C 3	3727	E 2	3751	C 4	3773	F 3	3796	F 2	7701	E 3
1707	F 5	2722	D 2	2773	F 3	3706	C 5	3730	D 2	3752	B 3	3774	F 4	3797	F 2	7702	C 2
1713	F 5	2723	D 2	2774	E 3	3708	E 2	3731	E 2	3753	B 3	3775	F 3	3798	F 2	7703	C 2
1715	C 6	2724	E 3	2775	E 2	3709	D 4	3732	G 4	3754	C 3	3776	D 5	3799	G 4	7704	C 2
1716	B 6	2725	D 4	2778	F 4	3710	D 2	3733	E 2	3755	C 3	3777	F 5	5701	F 5	7705	F 2
1717	B 2	2726	E 2	2781	F 3	3711	B 2	3734	G 1	3756	B 2	3778	D 6	5702	F 5	7706	B 4
2701	C 3	2728	D 4	2782	E 5	3712	B 2	3735	D 4	3758	G 3	3779	R 2	6701	D 2	7707	C 4
2702	C 5	2730	E 4	2783	F 5	3713	D 2	3736	D 4	3759	D 5	3780	F 4	6702	E 2	7708	B 5
2703	C 4	2731	D 4	2784	F 6	3716	C 5	3738	D 5	3760	B 3	3781	E 2	6703	G 3	7709	C 2
2704	C 3	2732	D 5	2785	F 4	3717	B 4	3739	D 5	3761	B 3	3782	B 2	6704	G 3	7710	G 2
2705	C 2	2751	C 3	2786	F 4	3718	B 5	3741	B 5	3763	B 3	3785	F 4	6705	G 3	7711	F 2
2706	C 5	2753	C 4	2787	F 1	3719	B 4	3742	C 5	3766	C 5	3786	E 4	6706	G 3	7712	F 4
2708	D 2	2754	C 3	2788	B 1	3720	E 4	3743	A 4	3767	B 4	3788	E 5	6707	G 3	7713	A 2
2709	D 2	2758	B 3	2789	F 2	3721	D 5	3744	D 2	3768	B 5	3789	D 4	6708	G 4	7753	B 3
2711	B 2	2759	B 3	3701	C 4	3722	D 3	3745	B 4	3769	B 4	3791	B 5	6709	G 5	7756	B 4
2712	C 5	2762	C 5	3702	C 3	3723	D 3	3746	A 5	3770	E 4	3792	C 4	6710	E 2	7757	C 4
2713	B 4	2770	E 4	3703	C 3	3724	D 3	3747	A 5	3771	E 5	3793	E 2	6712	B 5		
2720	E 4	2771	E 4	3704	C 3	3725	D 3	3749	B 5	3772	F 3	3795	G 1	6713	F 2		

ADJUSTMENT	CASSETTE	SK...	RECODER POSITION	DECK A	DECK B	MEASURE ON	READ ON	ADJUST WITH	ADJUST TO
Azimuth	10KHz SBC 420*	Tape	Play	-	1303	mV-meter	Left hand Screw Play head	Max. L = R	
		Tape	-	Play fwd	1303	mV-meter	Left hand Screw R/P Head		
		Tape	-	Play rev	1303	mV-meter	Right hand Screw R/P Head		
Motor speed (Normal)	3150Hz SBC 420*	Tape	Play	-	1303	Wow and Flutter meter	preset in motor	** a	
		Tape	-	Play	1303	Wow and Flutter meter	-		
Motor speed (high)	3150Hz SBC 420*	Tape HSD	Record	Play	1303	Frequency counter	-	6.0KHz ±0.3KHz	

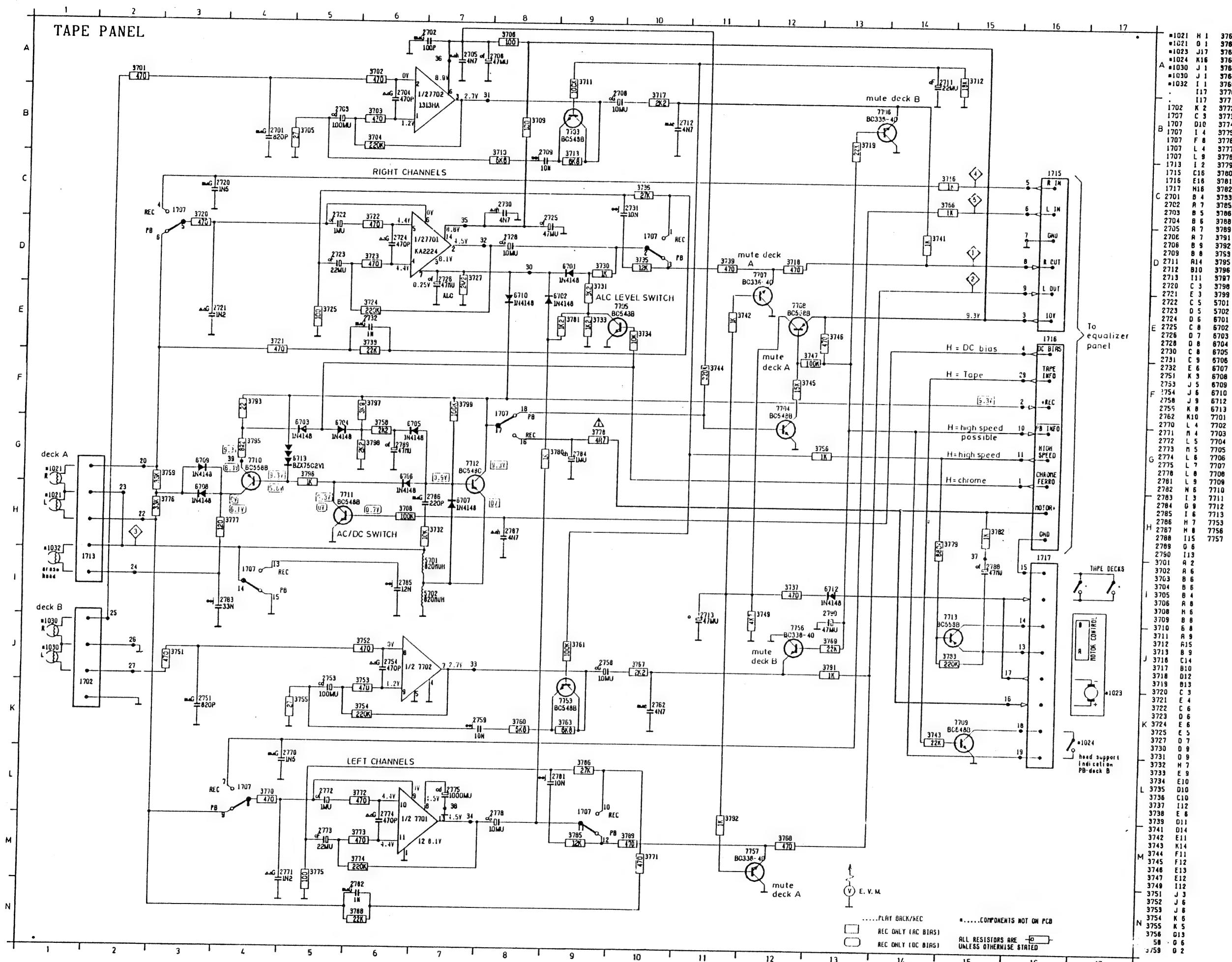
* SBC 420 : 4822 397 30071

** a The maximum permissible speed deviation is 2%. Moreover, the wow and flutter value can be read. This value should not exceed 0.35%.

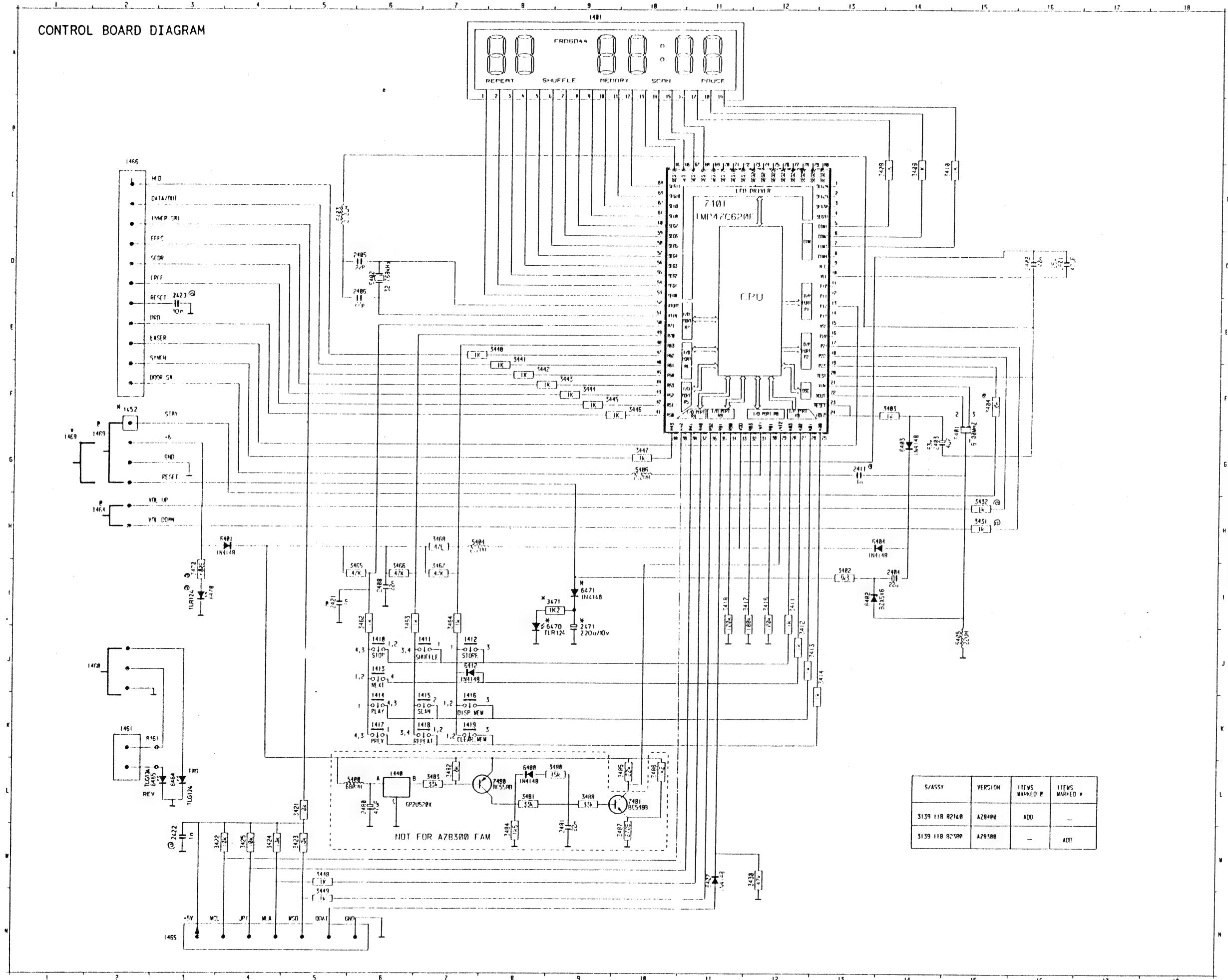
7701	7702	AC-BIAS	DC-BIAS
1 : 0V	1 : 1.2V	7710	e : <u>9.3V</u>
2 : 4.5V	2 : 0V		b : <u>9.3V</u>
3 : 8.1V	3 : 2.7V		c : <u>0V</u>
4 : 4.4V	4 : 0V	7711	e : <u>0V</u>
5 : 4.4V	5 : 0V		b : <u>0V</u>
6 : 0V	6 : 8.9V		c : <u>9.3V</u>
7 : 0.25V	7 : 2.7V	7712	e : <u>0V</u>
8 : 4.5V	8 : 0V		b : <u>0.9V</u>
9 : 0V	9 : 1.2V		c : <u>9.3V</u>
0 : 4.4V			
1 : 4.4V			
2 : 8.1V			
3 : 4.5V			
4 : 8.8V			

...V measured in the tape on position

measured in the tape recording position



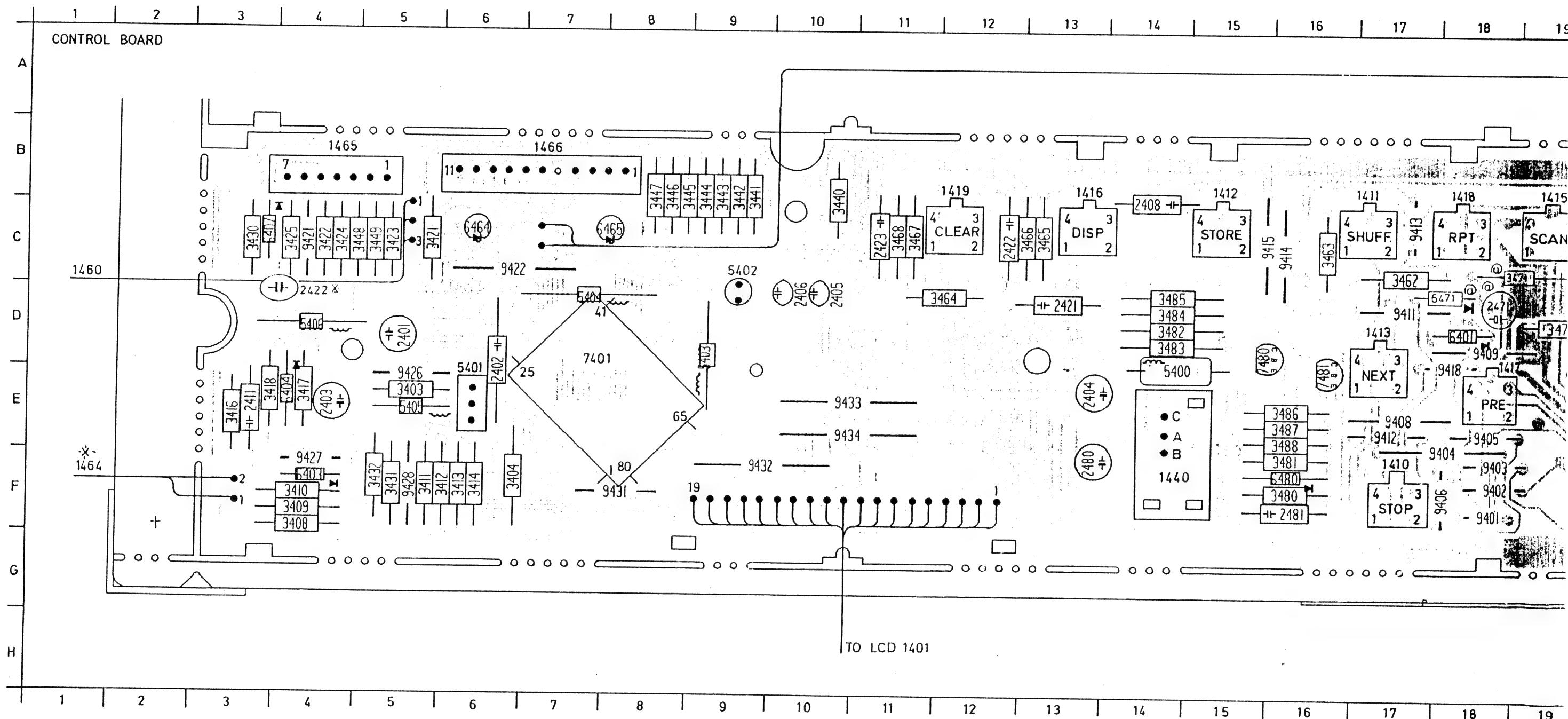
CONTROL BOARD DIAGRAM



1481	A 9	6482	I 15
1482	J 6	6483	G 14
1483	J 7	6484	H 13
1484	J 7	6487	W 11
1485	J 6	6412	J 7
1486	K 5	6454	L 5
1487	K 7	6470	I 5
1488	K 6	5488	L 8
1489	K 7	7481	C 11
1490	K 7	7489	L 9
1491	R 6	7481	L 10
		8461	K 2
1492	J 2		
1493	H 2		
1494	N 5		
1495	C 2		
1496	G 2		
1497	D 6		
1498	I 6		
1499	G 5		
1500	S 5		
1501	M 9		
1502	I 13		
1503	F 14		
1504	F 15		
1505	C 13		
1506	C 14		
1507	C 14		
1508	I 12		
1509	I 12		
1510	I 11		
1511	L 5		
1512	M 4		
1513	M 5		
1514	M 4		
1515	M 12		
1516	H 5		
1517	E 8		
1518	E 8		
1519	F 8		
1520	F 9		
1521	F 9		
1522	F 9		
1523	F 10		
1524	G 10		
1525	G 10		
1526	G 10		
1527	G 10		
1528	H 7		
1529	H 7		
1530	H 7		
1531	H 7		
1532	H 7		
1533	H 7		
1534	H 7		
1535	H 7		
1536	H 7		
1537	H 7		
1538	H 7		
1539	H 7		
1540	H 7		
1541	H 5		
1542	H 5		
1543	H 5		
1544	E 8		
1545	E 8		
1546	F 8		
1547	F 8		
1548	F 8		
1549	M 5		
1550	M 5		
1551	I 6		
1552	I 6		
1553	I 6		
1554	I 6		
1555	I 6		
1556	I 6		
1557	I 7		
1558	H 7		
1559	H 7		
1560	H 7		
1561	H 7		
1562	H 7		
1563	H 7		
1564	H 7		
1565	H 7		
1566	H 7		
1567	I 7		
1568	H 7		
1569	I 5		
1570	L 9		
1571	L 9		
1572	L 9		
1573	L 9		
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1594	L 9		
1595	L 9		
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1597	L 9		
1598	L 9		
1599	L 9		
1600	L 9		
1601	G 15		
1602	D 5		
1603	C 5		
1604	H 7		
1605	J 5		
1606	G 8		
1607	A 4		
1608	I 9		
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1909</td			

S/ASSY	VERSION	ITEMS MARKED *	ITEMS MARKED #
3139 118 92140	AZB400	ADD	—
3139 118 92300	AZB300	—	ADD

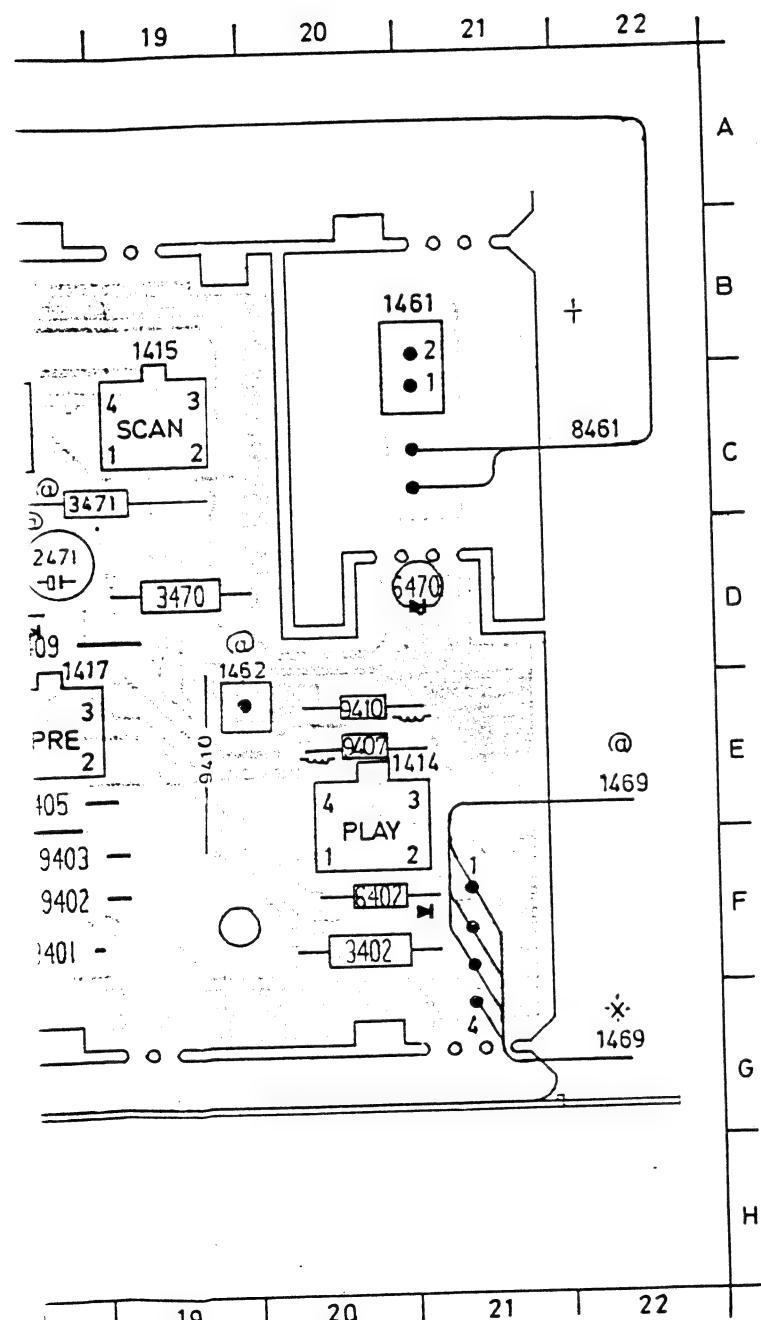
1401	H11	1418	B18	1469	G22	2411	E3	3403	E5	3416	E3	3431	F5	3447	B8	3468	C11	3486	E16	5406	D4	6471	D17	9404	E18	9412
1410	F17	1419	B12	1469	E22	2421	D13	3404	F6	3417	E4	3432	F5	3448	C4	3470	D19	3487	E16	6401	D18	6480	F16	9405	E18	9412
1411	B17	1440	F14	2401	D5	2422	C12	3408	F4	3418	E3	3440	B10	3449	C5	3471	C18	3488	E16	6402	F20	7401	D7	9406	D20	9414
1412	B15	1460	C1	2402	D6	2422	D4	3409	F4	3421	C5	3441	B9	3462	C17	3480	F16	5400	D14	6403	F4	7480	D15	9406	F18	9418
1413	D17	1461	B21	2403	E4	2432	C11	3410	F4	3422	C4	3442	B9	3463	C16	3481	F16	5401	D6	6404	E4	7481	D16	9407	E20	9418
1414	E20	1462	E19	2404	E13	2471	D18	3411	F5	3423	C5	3443	B9	3464	D12	3482	D14	5402	C9	6407	C3	8461	C22	9408	E17	9421
1415	B19	1464	F1	2405	D10	2480	F13	3412	F6	3424	C4	3444	B9	3465	C13	3483	D14	5403	D9	6464	C6	9401	F18	9409	D18	9422
1416	B13	1465	B4	2406	D10	2481	F16	3413	F6	3425	C4	3445	B8	3466	C13	3484	D14	5404	D7	6465	C8	9402	F18	9410	D19	9426
1417	D18	1466	B7	2408	B14	3402	F20	3414	F6	3430	C3	3446	E3	3467	C11	3485	D14	5405	E5	6470	D21	9403	F18	9411	D17	9427



3	9412	E17	9428	F5
3	9413	C17	9431	F8
0	9414	C16	9432	F9
8	9415	C15	9433	E10
0	9418	D18	9434	E10
7	9421	C4		
8	9422	C6		
9	9426	E5		
7	9427	F4		

+5 : 5.0V

+6 : 5.4V



7480

e : 4.7V
b : 4.0V
c : 0V

e : 4.7V
b : 4.7V
c : 4.6V

7481

e : 0.8V
b : 0V
c : 1.1V

e : 0.8V
b : 1.6V
c : 4.7V

....V measured in tape on position

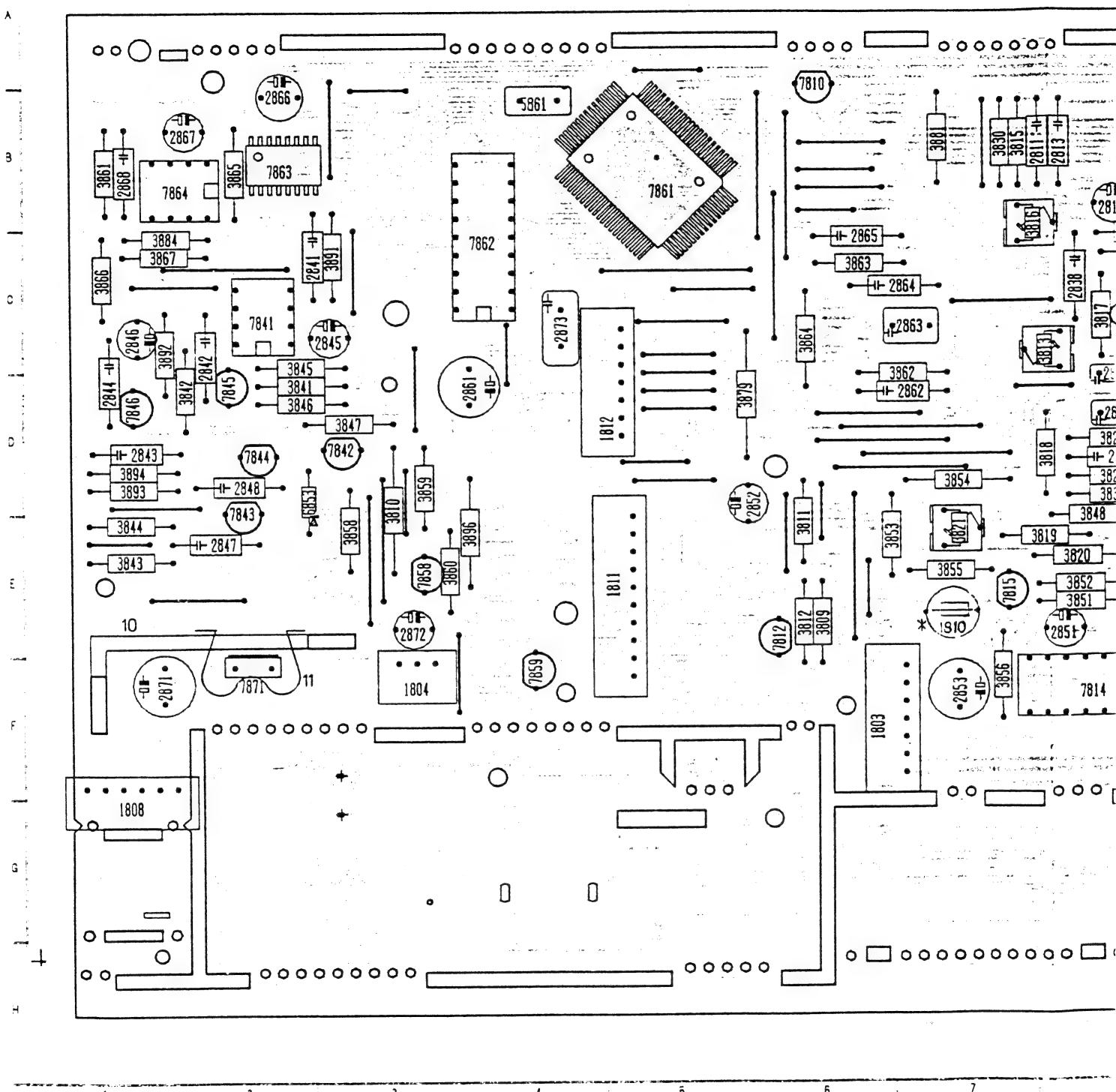
____V measured in remote on position

NOTE:

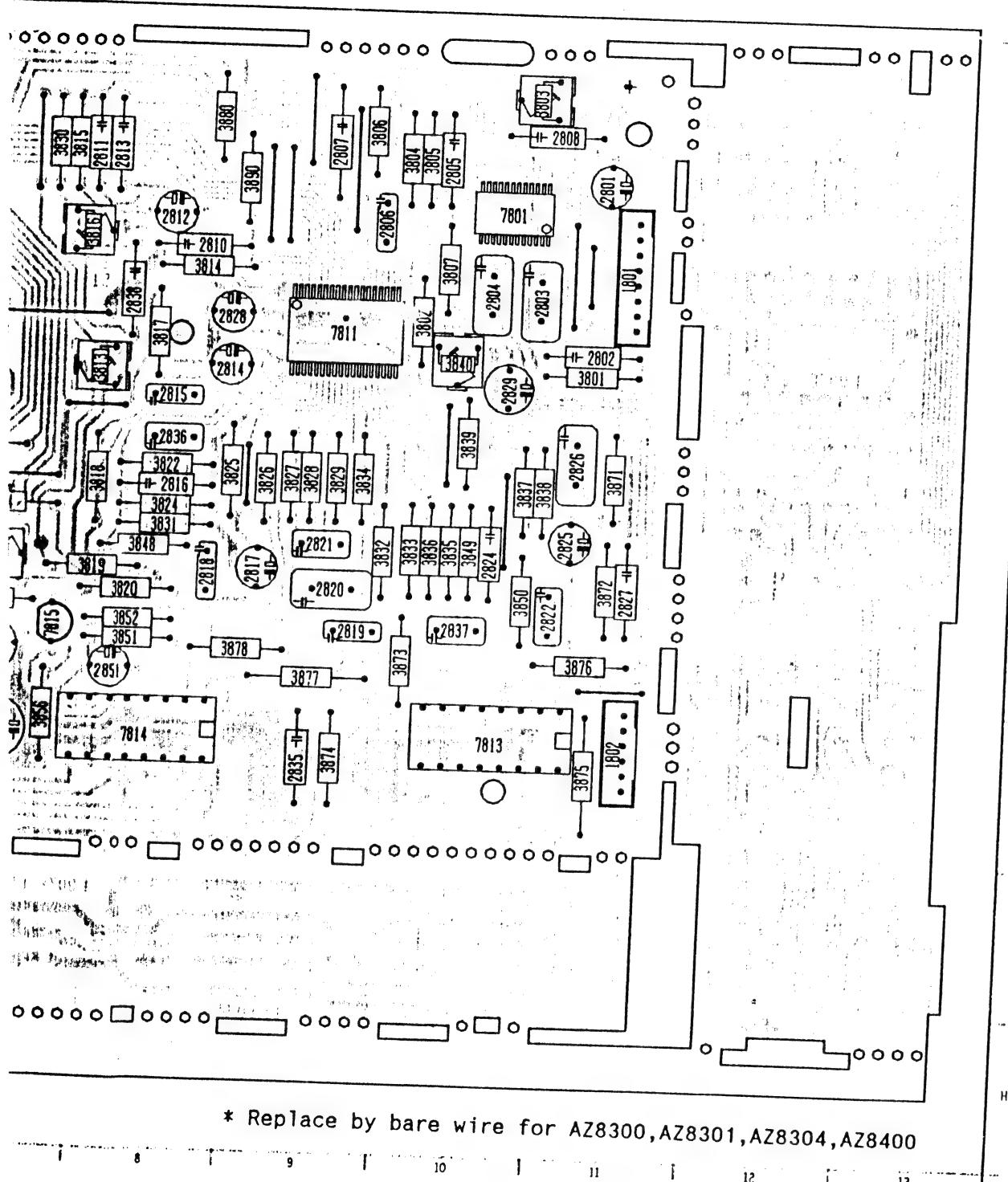
ITEM MARKED ~~X~~ FOR AZ8400 FAMILY

ITEM MARKED @ FOR AZ8300 FAMILY

RCD BOARD



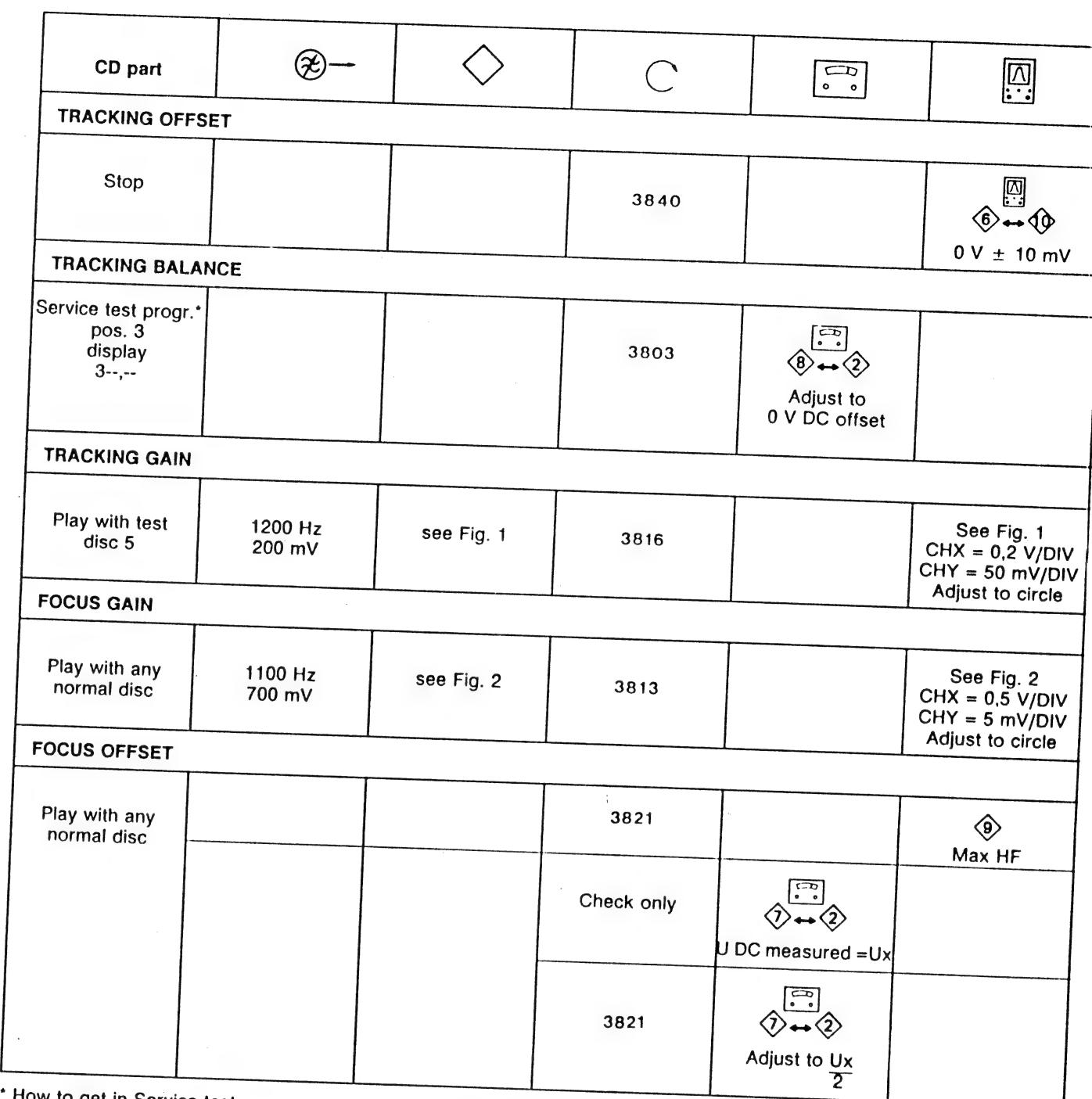
ASSEMBLY DRAWING FOR AZ8700 FROM COMPONENT SIDE
BESTUECKUNGSPLAN FUER AZ8700 VON BAUTEILSEITE
DERIVED FROM PART PC.AZ8594.P8.D1
ERZEUGT VOM PART PC.AZ8594.P8.D1



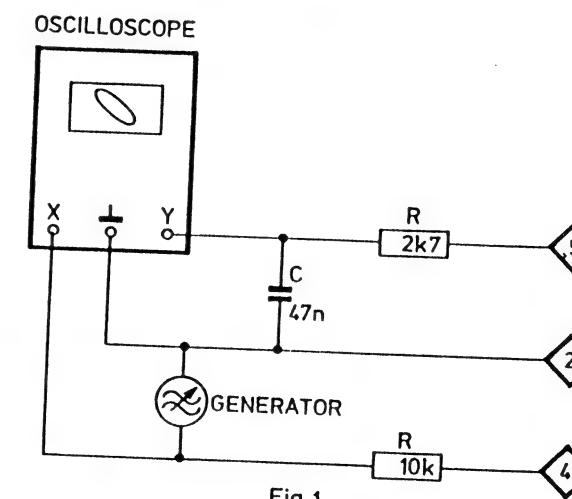
* Replace by bare wire for AZ8300, AZ8301, AZ8304, AZ8400

.....V measured in CD play position

33



* How to get in Service test programme see Service test programme



Fig

43 703 A

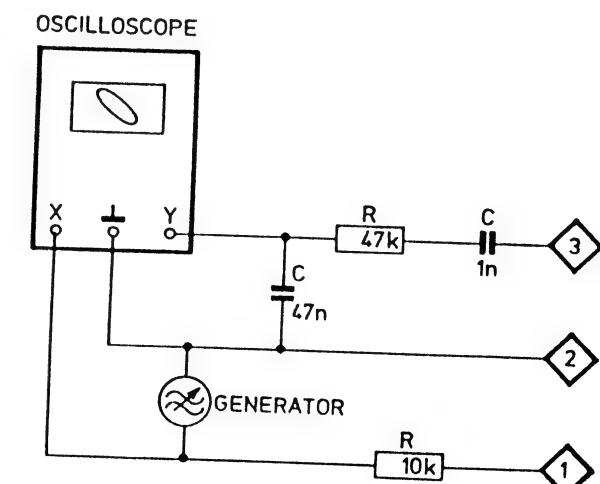
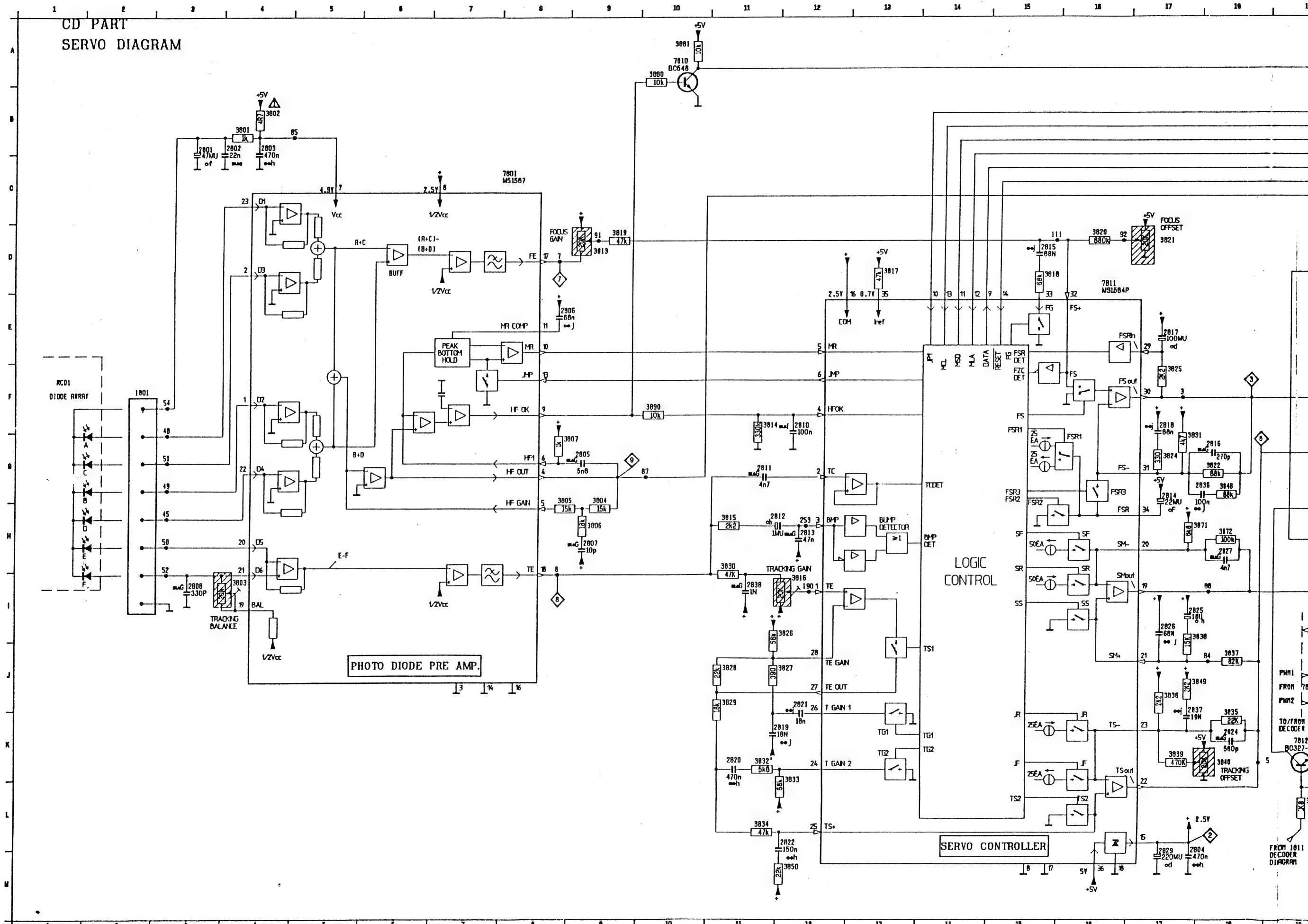
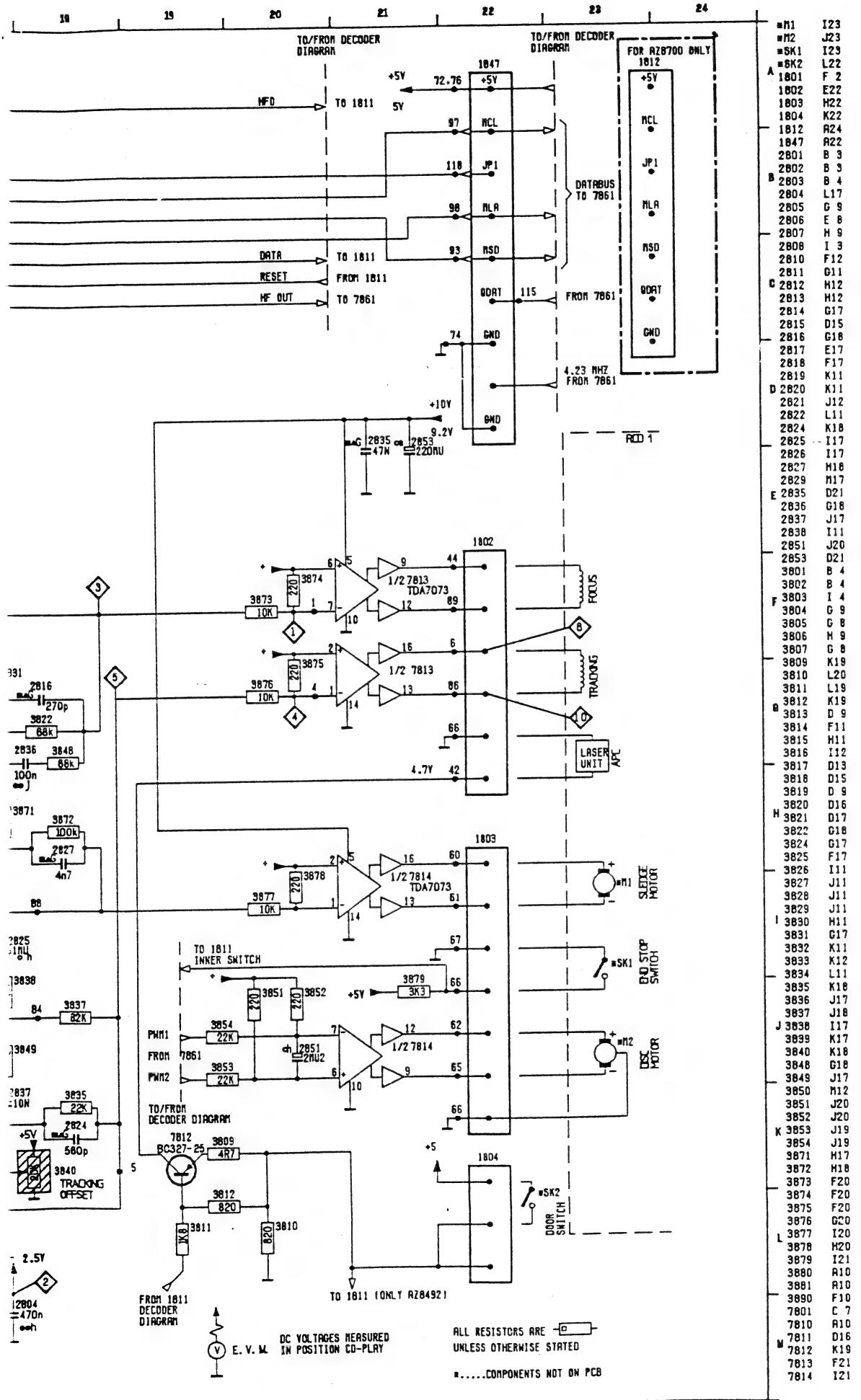


Fig.

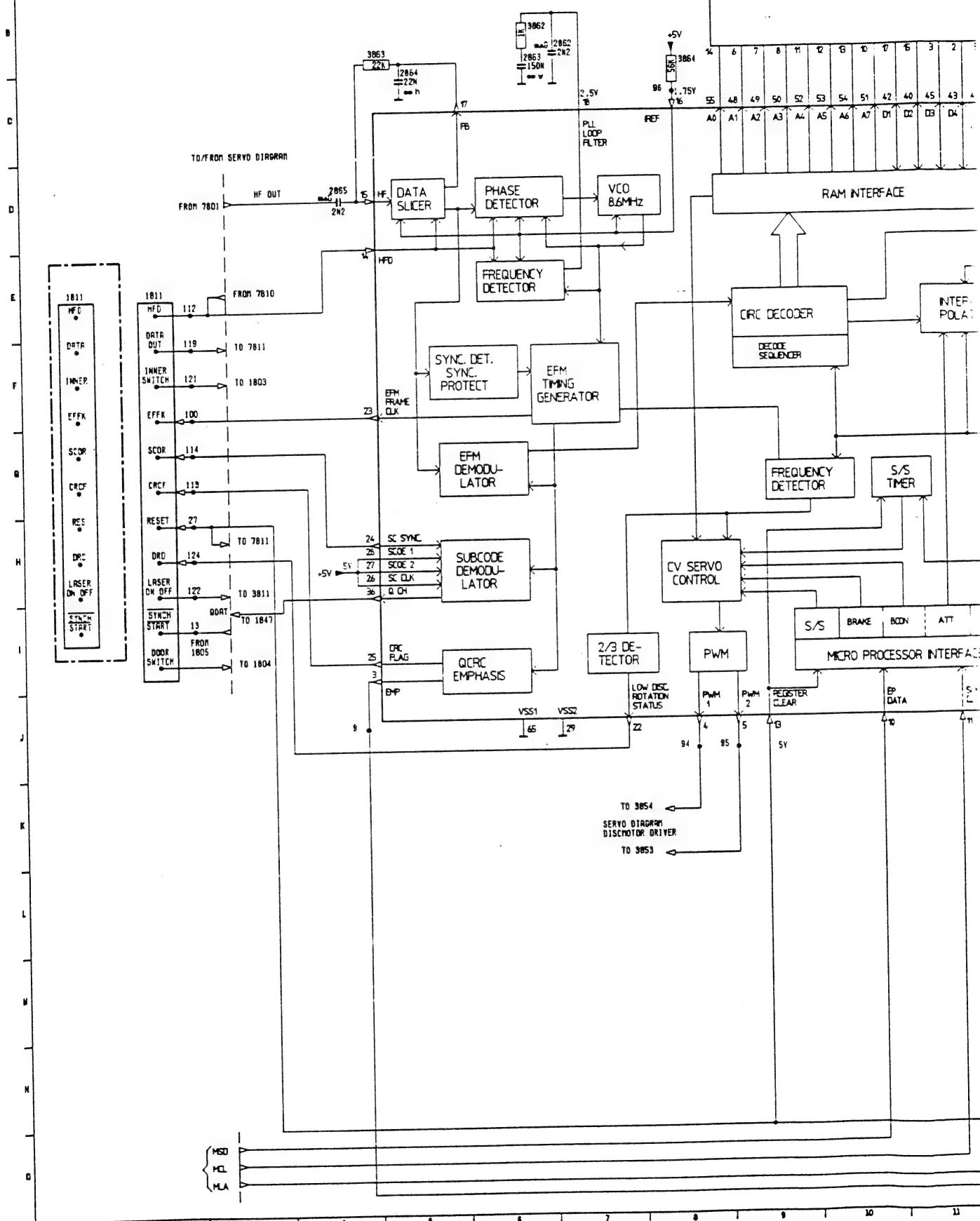
43 704 A12

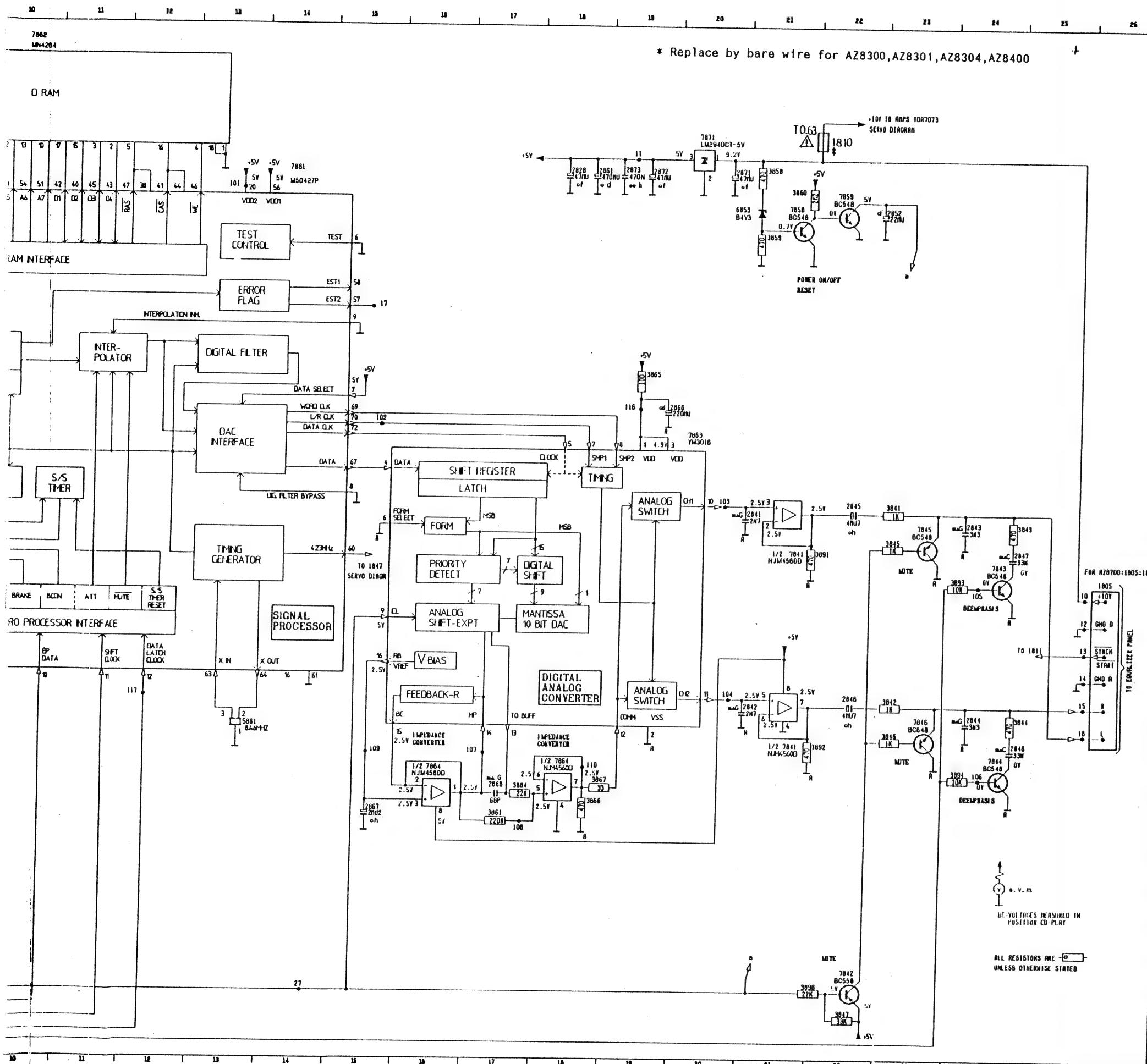
CD PART
SERVO DIAGRAM



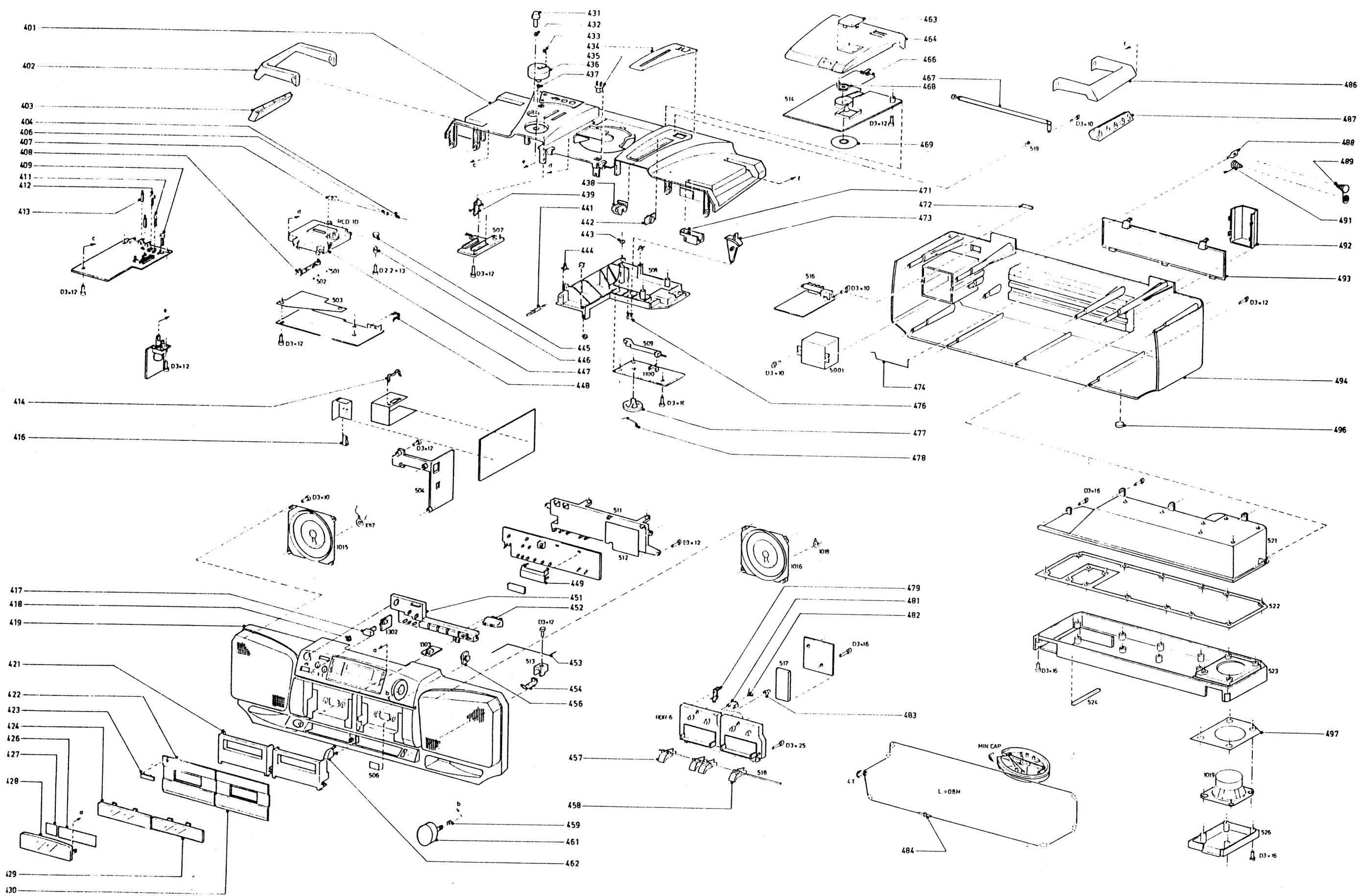


CD PART
DECODER DIAGRAM





4



100	20589	6702	1N4148	4822 130 30621
100	20589	6703	1N4148	4822 130 30621
		6704	1N4148	4822 130 30621
		6705	1N4148	4822 130 30621
		6706	1N4148	4822 130 30621
146	30947	6707	1N4148	4822 130 30621
156	30947	6708	1N4148	4822 130 30621
156	30947	6709	1N4148	4822 130 30621
157	53138	6710	1N4148	4822 130 30621
158	60564	6712	1N4148	4822 130 30621
156	30811	6713	BZX75-C2V1	4822 130 81424
156	11045	6853	BZX79-B4V3	4822 130 31554
156	31023	7101	2SC1047C	4822 130 60163
156	10726	7102	2SA838B	4822 130 60093
156	10726	7103	2SC1359B	4822 130 60092
157	52693	7104	TBC548A	4822 130 40948
157	53901	7151	TEA5570/N5	4822 209 81563
157	62552	7181	AN7411	4822 209 71321
157	62552	7260	TBC548C	4822 130 44196
157	52286	7310	BD234	4822 130 61236
157	62552	7311	TBC548C	4822 130 44196
157	51238	7312	TBC558B	4822 130 44197
157	51238	7313	AN7147	4822 209 72368
		7314	TBC548C	4822 130 44196
		7315	BC337-40	4822 130 41344
		7316	BC327-40	4822 130 41327
130	30621	7330	AN7147	4822 209 72368
130	30621	7360	TBC548C	4822 130 44196
130	30302	7401	TMP47C620F-4492	4822 209 63364
130	30302	7501	TBC548C	4822 130 44196
130	30621	7502	TBC548C	4822 130 44196
130	30621	7505	TBC549C	4822 130 44246
130	80305	7551	TBC548C	4822 130 44196
130	30621	7552	TBC548C	4822 130 44196
130	30621	7555	TBC549C	4822 130 44246
130	34174	7601	TBC558B	4822 130 44197
130	30862	7602	TBC558B	4822 130 44197
130	34173	7604	TBC548C	4822 130 44196
130	30621	7610	TBC548C	4822 130 44196
130	30621	7630	TBC548A	4822 130 40948
130	30621	7660	TBC548C	4822 130 44196
130	34173	7701	KA2224	4822 209 72491
130	30621	7702	1313HA	4822 209 70288
130	30621	7703	BC548B	4822 130 40937
130	30621	7704	BC548B	4822 130 40937
130	32472	7705	BC548B	4822 130 40937
130	32472	7706	TBC338-40	5322 130 44779
130	31274	7707	TBC338-40	5322 130 44779
130	30621	7708	BC558B	4822 130 44197
130	30621	7709	BC548B	4822 130 40937
130	30621	7710	BC558B	4822 130 44197
130	30621	7711	BC548B	4822 130 40937
130	30621	7712	BC548C	4822 130 44196
130	30621	7713	BC558B	4822 130 44197
130	30621	7753	BC548B	4822 130 40937
130	34173	7756	TBC338-40	5322 130 44779
130	34173	7757	TBC338-40	5322 130 44779
130	34167	7801	M51567P	4822 209 72814
130	32472	7810	TBC548	4822 130 40938
130	30621	7811	M51564P	4822 209 72815

7812	BC327-25	4822 130 41246
7813	TDA7073/N1	4822 209 61073
7814	TDA7073/N1	4822 209 61073
7841	NJM4560D	4822 209 83274
7842	TBC558	4822 130 40941
7843	TBC548	4822 130 40938
7844	TBC548	4822 130 40938
7845	TBC548	4822 130 40938
7846	TBC548	4822 130 40938
7858	TBC548	4822 130 40938
7859	TBC548	4822 130 40938
7861	M50427FP	4822 209 62371
7862	MN4264-15	4822 209 70422
7863	YM3016F	4822 209 73861
7864	NJM4560D	4822 209 83274
7871	LM2940CT-5.0	5322 209 72487

401	4822 423 90161	434	4822 333 40429	467	4822 303 30296
402	4822 498 10398	435	4822 276 13017	468	4822 532 51871
403	4822 498 91037	436	4822 411 61743	469	4822 535 60096
404	4822 492 51724	437	4822 492 51374	471	4822 535 93163
406	4822 404 60471	438	4822 450 81179	472	Not applicable
407	4822 325 20138	439	4822 411 61742	473	4822 411 61745
408	4822 492 70156	441	4822 535 91958	474	Not applicable
409	4822 410 61002	442	4822 529 10257	476	Not applicable
411	4822 410 61001	443	4822 528 80907	477	4822 528 40208
412	4822 410 61003	444	4822 528 50116	478	4822 492 40854
413	4822 410 60999	445	4822 532 61103	479	4822 404 21073
414	5322 255 40397	446	4822 532 61104	481	4822 403 30772
416	4822 255 40843	447	4822 691 20596	482	4822 492 70426
417	4822 410 61008	448	4822 255 40179	483	4822 466 92641
418	4822 380 20385	449	4822 256 91745	484	4822 402 20074
419	4822 423 51059	451	4822 410 61009	486	4822 498 10399
421	4822 443 62936	452	4822 380 20386	487	4822 498 91038
422	4822 423 41103	453	4822 492 70732	488	4822 290 80313
423	4822 459 11003	454	4822 410 60615	489	4822 492 51733
424	4822 381 11209	456	4822 529 10251	491	4822 492 51734
426	4822 454 12684	457	4822 410 60611	492	Not applicable
427	Not applicable	458	4822 410 60612	493	4822 423 41102
428	4822 381 11215	459	4822 492 51374	494	4822 421 60149
429	4822 381 11211	461	4822 413 41625	496	4822 462 40683
430	4822 423 41104	462	4822 410 61004	497	4822 466 62006
431	4822 411 61744	463	4822 381 11214		
432	4822 492 51374	464	4822 444 40427	IFU	4822 736 21019
433	4822 454 12682	466	4822 492 70807		

MISCELLANEOUS						
1015	SPEAKER 7W 4Ω	4822	240	30556		
1016	SPEAKER 7W 4Ω	4822	240	30556		
1017	BUZZER	4822	280	10222		
1018	BUZZER	4822	280	10222		
1019	SPEAKER 8W 8Ω	4822	240	30512		
1045	SWITCH-LEAF	4822	276	12165		
1100	BANDSWITCH 4P4T	4822	277	21133		
1300	△ FUSE T2.5A	4822	070	32502		
1301	△ SOCKET MAINS	4822	265	20287		
1302	POWER SWITCH	4822	276	12571		
1303	SOCKET HDPHONE	4822	267	30553		
1401	LCD FRD6D44 (CD)	4822	130	90762		
1410	SWITCH KEY	4822	276	12276		
1411	SWITCH KEY	4822	276	12276		
1412	SWITCH KEY	4822	276	12276		
1413	SWITCH KEY	4822	276	12276		
1414	SWITCH KEY	4822	276	12276		
1415	SWITCH KEY	4822	276	12276		
1416	SWITCH KEY	4822	276	12276		
1417	SWITCH KEY	4822	276	12276		
1418	SWITCH KEY	4822	276	12276		
1419	SWITCH KEY	4822	276	12276		
1531	FUNCTION SWITCH	4822	276	13015		
1532	MONO/STEREO	4822	276	12648		
1533	HS DUBBING	4822	276	12648		
1541	SOCKET MIC	4822	267	30553		
1542	SOCKET CINCH CD	4822	267	30933		
1592	SOCKET CINCH CD	4822	267	30933		
1707	RECORD SWITCH	4822	277	20594		
5151	FILTER 10.7MHZ	4822	242	70249		
5152	FILTER 10.7MHZ	4822	242	70249		
5401	RESONATOR 6MHZ	4822	242	71854		
5402	XTAL 32.768KHZ	4822	242	70938		
5861	CERAM FILTER	4822	242	72565		
CAPACITORS						
2100	POLYVARICON	4822	125	20286		
2105	24pF 50V	4822	122	10444		
2107	20pF 50V	4822	122	10443		
2132	TRIMMER 11pF	4822	125	50198		
2134	PP 390pF 160V	4822	121	43705		
2135	PP 305pF 630V	4822	121	51197		
RESISTORS						
3184	PRESET 10K	4822	100	20166		
3327	△ NFR25 10Ω	4822	111	30508		
3508	POTM 100KB X 2	4822	102	20108		
3509	POTM 100KB X 2	4822	102	20108		
3540	POTM 50KB X 2	4822	102	10417		
3596	POTM 50KB	4822	101	21156		
3778	△ NFR25 120Ω	4822	052	10478		
3802	△ NFR25 4.7Ω	4822	052	10478		
3803	PRESET 20K	4822	100	20589		
3809	△ NFR25 4.7Ω	4822	052	10478		
3813	PRESET 20K	4822	100	20589		
3816	PRESET 20K	4822	100	20589		

3821	PRESET 20K	4822	100	20589		
3840	PRESET 20K	4822	100	20589		
COILS						
5001	△ TRANSFO' MAINS	4822	146	30947		
5101	FM RF COIL	4822	156	30947		
5102	FM RF COIL	4822	156	30947		
5103	COIL 0.47μH	4822	157	53138		
5122	MW-LW ANT ASSY	4822	158	60564		
5124	SW ANT BLK	4822	156	30811		
5130	MW OSC BR	4822	156	11045		
5131	SW OSC BL	4822	156	31023		
5153	AM IFT COIL YW	4822	156	10726		
5154	AM IFT COIL YW	4822	156	10726		
5155	FM DET COIL OR	4822	157	52693		
5156	COIL 15μH	4822	157	53901		
5403	COIL 2.2μH	4822	157	62552		
5404	COIL 2.2μH	4822	157	62552		
5405	COIL 22μH	4822	157	52286		
5406	COIL 2.2μH	4822	157	62552		
5701	COIL 820mH	4822	157	51238		
5702	COIL 820mH	4822	157	51238		
SEMICONDUCTORS						
6101	1N4148	4822	130	30621		
6121	1N4148	4822	130	30621		
6152	BA316	4822	130	30302		
6153	BA316	4822	130	30302		
6160	1N4148	4822	130	30621		
6191	1N4148	4822	130	30621		
6300	KBU4D	4822	130	80305		
6310	1N4148	4822	130	30621		
6311	1N4148	4822	130	30621		
6312	BZX79C4V7	4822	130	34174		
6313	BZX79C9V1	4822	130	30862		
6314	BZX79C5V6	4822	130	34173		
6330	1N4148	4822	130	30621		
6331	1N4148	4822	130	30621		
6401	1N4148	4822	130	30621		
6402	BZX79C5V6	4822	130	34173		
6403	1N4148	4822	130	30621		
6404	1N4148	4822	130	30621		
6407	1N4148	4822	130	30621		
6464	TLG124A GN	4822	130	32472		
6465	TLG124A GN	4822	130	32472		
6470	TLG124 RD	4822	130	31274		
6471	1N4148	4822	130	30621		
6480	1N4148	4822	130	30621		
6601	1N4148	4822	130	30621		
6602	1N4148	4822	130	30621		
6603	1N4148	4822	130	30621		
6610	1N4148	4822	130	30621		
6611	1N4148	4822	130	30621		
6612	BZX79C5V6	4822	130	34173		
6613	BZX79C5V6	4822	130	34173		
6631	BZX79C6V2	4822	130	34167		
6640	TLG124A GN	4822	130	32472		
6701	1N4148	4822	130	30621		